Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX052919\
Data File : VX009928.D
Acq On : 29 May 2019 10:08
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED
MMDadoda
5/30/2019 9:54:18 AM

Quant Time: May 30 01:25:39 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
Quant Title : SW846 8260
QLast Update : Wed May 29 04:00:56 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 5.66 | 168 | 174313 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.85 | 114 | 272671 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.11 | 117 | 246865 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152 | 124059 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 6.06 | 65 | 115607 | 46.95 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 93.90% | | | |
| 35) Dibromofluoromethane | 5.49 | 113 | 83110 | 48.48 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 96.96% | | | |
| 50) Toluene-d8 | 8.71 | 98 | 344937 | 49.55 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 99.10% | | | |
| 62) 4-Bromofluorobenzene | 11.13 | 95 | 126484 | 50.59 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 101.18% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.20 | 85 | 116809 | 54.838 | ug/l | 99 |
| 3) Chloromethane | 1.32 | 50 | 140188 | 48.955 | ug/l | 99 |
| 4) Vinyl Chloride | 1.41 | 62 | 126245 | 48.905 | ug/l | 100 |
| 5) Bromomethane | 1.64 | 94 | 70591 | 45.134 | ug/l | 96 |
| 6) Chloroethane | 1.71 | 64 | 72332 | 45.518 | ug/l | 98 |
| 7) Trichlorofluoromethane | 1.93 | 101 | 139217 | 48.803 | ug/l | 99 |
| 8) Diethyl Ether | 2.19 | 74 | 58387 | 43.556 | ug/l | 97 |
| 9) 1,1,2-Trichlorotrifluoroet | 2.38 | 101 | 83887 | 48.708 | ug/l | 100 |
| 10) Methyl Iodide | 2.51 | 142 | 100643 | 47.454 | ug/l | 98 |
| 11) Tert butyl alcohol | 3.05 | 59 | 132959 | 219.413 | ug/l | 99 |
| 12) 1,1-Dichloroethene | 2.37 | 96 | 81569 | 46.206 | ug/l | 97 |
| 13) Acrolein | 2.29 | 56 | 89745 | 212.401 | ug/l | 99 |
| 14) Allyl chloride | 2.73 | 41 | 206384 | 48.101 | ug/l | 99 |
| 15) Acrylonitrile | 3.14 | 53 | 331909 | 227.322 | ug/l | 100 |
| 16) Acetone | 2.45 | 43 | 395226 | 277.805 | ug/l | 99 |
| 17) Carbon Disulfide | 2.57 | 76 | 257706 | 48.225 | ug/l | 100 |
| 18) Methyl Acetate | 2.77 | 43 | 148573 | 44.881 | ug/l | 100 |
| 19) Methyl tert-butyl Ether | 3.19 | 73 | 310788 | 46.631 | ug/l | 100 |
| 20) Methylene Chloride | 2.85 | 84 | 100504 | 46.131 | ug/l | 98 |
| 21) trans-1,2-Dichloroethene | 3.17 | 96 | 89691 | 45.662 | ug/l | 98 |
| 22) Diisopropyl ether | 3.85 | 45 | 390638 | 47.850 | ug/l | 89 |
| 23) Vinyl Acetate | 3.81 | 43 | 1752053 | 238.899 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 3.70 | 63 | 185615 | 46.917 | ug/l | 100 |
| 25) 2-Butanone | 4.67 | 43 | 551075 | 248.624 | ug/l | 100 |
| 26) 2,2-Dichloropropane | 4.57 | 77 | 143695 | 48.014 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.59 | 96 | 101892 | 44.939 | ug/l | 99 |
| 28) Bromochloromethane | 5.01 | 49 | 94883 | 46.216 | ug/l | 99 |
| 29) Tetrahydrofuran | 5.12 | 42 | 326614 | 229.790 | ug/l | 100 |
| 30) Chloroform | 5.21 | 83 | 167726 | 47.008 | ug/l | 97 |
| 31) Cyclohexane | 5.57 | 56 | 189113 | 50.469 | ug/l | 98 |
| 32) 1,1,1-Trichloroethane | 5.49 | 97 | 141619 | 48.737 | ug/l | 100 |
| 36) 1,1-Dichloropropene | 5.79 | 75 | 134053 | 48.455 | ug/l | 100 |
| 37) Ethyl Acetate | 4.83 | 43 | 187232 | 48.570 | ug/l | 100 |
| 38) Carbon Tetrachloride | 5.78 | 117 | 119496 | 49.984 | ug/l | 98 |

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Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 01:25:39 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
Quant Title : SW846 8260
QLast Update : Wed May 29 04:00:56 2019
Response via : Initial Calibration

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

**Manual Integrations APPROVED**
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5/30/2019 9:54:18 AM

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 39) Methylcyclohexane | 7.46 | 83 | 170889 | 52.074 | ug/l | 99 |
| 40) Benzene | 6.14 | 78 | 398999 | 48.618 | ug/l | 100 |
| 41) Methacrylonitrile | 5.04 | 41 | 104987 | 46.609 | ug/l | 98 |
| 42) 1,2-Dichloroethane | 6.19 | 62 | 145628 | 47.998 | ug/l | 100 |
| 43) Isopropyl Acetate | 6.44 | 43 | 291881 | 46.926 | ug/l | 100 |
| 44) Trichloroethene | 7.21 | 130 | 95384 | 47.848 | ug/l | 97 |
| 45) 1,2-Dichloropropane | 7.51 | 63 | 112850 | 47.768 | ug/l | 98 |
| 46) Dibromomethane | 7.66 | 93 | 64441 | 46.340 | ug/l | 99 |
| 47) Bromodichloromethane | 7.90 | 83 | 131763 | 49.827 | ug/l | 99 |
| 48) Methyl methacrylate | 7.77 | 41 | 151356 | 49.156 | ug/l | 99 |
| 49) 1,4-Dioxane | 7.74 | 88 | 52354 | 914.091 | ug/l | 97 |
| 51) 4-Methyl-2-Pentanone | 8.64 | 43 | 978194 | 241.757 | ug/l | 100 |
| 52) Toluene | 8.78 | 92 | 246094 | 49.387 | ug/l | 98 |
| 53) t-1,3-Dichloropropene | 9.04 | 75 | 156533 | 49.357 | ug/l | 99 |
| 54) cis-1,3-Dichloropropene | 8.43 | 75 | 170061 | 49.215 | ug/l | 99 |
| 55) 1,1,2-Trichloroethane | 9.21 | 97 | 95670 | 47.702 | ug/l | 97 |
| 56) Ethyl methacrylate | 9.18 | 69 | 178346 | 49.950 | ug/l | 99 |
| 57) 1,3-Dichloropropane | 9.37 | 76 | 172531 | 47.902 | ug/l | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.30 | 63 | 464598 | 248.144 | ug/l | 100 |
| 59) 2-Hexanone | 9.49 | 43 | 786192 | 252.376 | ug/l | 100 |
| 60) Dibromochloromethane | 9.58 | 129 | 98363 | 49.858 | ug/l | 100 |
| 61) 1,2-Dibromoethane | 9.67 | 107 | 98805 | 47.954 | ug/l | 100 |
| 64) Tetrachloroethene | 9.34 | 164 | 87754 | 50.891 | ug/l | 98 |
| 65) Chlorobenzene | 10.13 | 112 | 250938 | 48.555 | ug/l | 100 |
| 66) 1,1,1,2-Tetrachloroethane | 10.22 | 131 | 90399 | 50.431 | ug/l | 100 |
| 67) Ethyl Benzene | 10.25 | 91 | 477347 | 51.441 | ug/l | 100 |
| 68) m/p-Xylenes | 10.36 | 106 | 347318 | 101.313 | ug/l | 100 |
| 69) o-Xylene | 10.69 | 106 | 166871 | 50.755 | ug/l | 100 |
| 70) Styrene | 10.71 | 104 | 296921 | 51.503 | ug/l | 99 |
| 71) Bromoform | 10.85 | 173 | 75995 | 51.866 | ug/l | 98 |
| 73) Isopropylbenzene | 11.02 | 105 | 454939 | 49.702 | ug/l | 100 |
| 74) N-amyl acetate | 10.90 | 43 | 266709 | 48.762 | ug/l | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.27 | 83 | 159996 | 46.853 | ug/l | 100 |
| 76) 1,2,3-Trichloropropane | 11.29 | 75 | 144217m | 48.613 | ug/l | |
| 77) Bromobenzene | 11.26 | 156 | 111622 | 47.851 | ug/l | 98 |
| 78) n-propylbenzene | 11.36 | 91 | 535621 | 50.766 | ug/l | 99 |
| 79) 2-Chlorotoluene | 11.42 | 91 | 313660 | 48.658 | ug/l | 100 |
| 80) 1,3,5-Trimethylbenzene | 11.51 | 105 | 387888 | 50.301 | ug/l | 100 |
| 81) trans-1,4-Dichloro-2-buten | 11.07 | 75 | 58153 | 48.499 | ug/l | 98 |
| 82) 4-Chlorotoluene | 11.51 | 91 | 367100 | 48.920 | ug/l | 100 |
| 83) tert-Butylbenzene | 11.77 | 119 | 367781 | 49.852 | ug/l | 100 |
| 84) 1,2,4-Trimethylbenzene | 11.80 | 105 | 388237 | 49.575 | ug/l | 99 |
| 85) sec-Butylbenzene | 11.94 | 105 | 449238 | 51.185 | ug/l | 100 |
| 86) p-Isopropyltoluene | 12.06 | 119 | 409544 | 51.877 | ug/l | 100 |
| 87) 1,3-Dichlorobenzene | 12.02 | 146 | 201829 | 48.599 | ug/l | 100 |
| 88) 1,4-Dichlorobenzene | 12.10 | 146 | 200693 | 47.385 | ug/l | 99 |
| 89) n-Butylbenzene | 12.38 | 91 | 385969 | 52.023 | ug/l | 99 |
| 90) Hexachloroethane | 12.59 | 117 | 70324 | 51.908 | ug/l | 99 |
| 91) 1,2-Dichlorobenzene | 12.39 | 146 | 197412 | 48.214 | ug/l | 99 |
| 92) 1,2-Dibromo-3-Chloropropan | 13.00 | 75 | 35663 | 44.368 | ug/l | 97 |

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Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 30 01:25:39 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
Quant Title : SW846 8260
QLast Update : Wed May 29 04:00:56 2019
Response via : Initial Calibration

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

**Manual Integrations APPROVED**
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5/30/2019 9:54:18 AM

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 93) 1,2,4-Trichlorobenzene | 13.65 | 180 | 142579 | 48.728 | ug/l | 99 |
| 94) Hexachlorobutadiene | 13.78 | 225 | 75168 | 51.217 | ug/l | 100 |
| 95) Naphthalene | 13.83 | 128 | 437628 | 48.061 | ug/l | 100 |
| 96) 1,2,3-Trichlorobenzene | 14.02 | 180 | 139518 | 47.635 | ug/l | 99 |

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX052919\
Data File : VX009928.D
Acq On : 29 May 2019 10:08
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
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Quant Time: May 30 01:25:39 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
Quant Title : SW846 8260
QLast Update : Wed May 29 04:00:56 2019
Response via : Initial Calibration

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

**Manual Integrations APPROVED**
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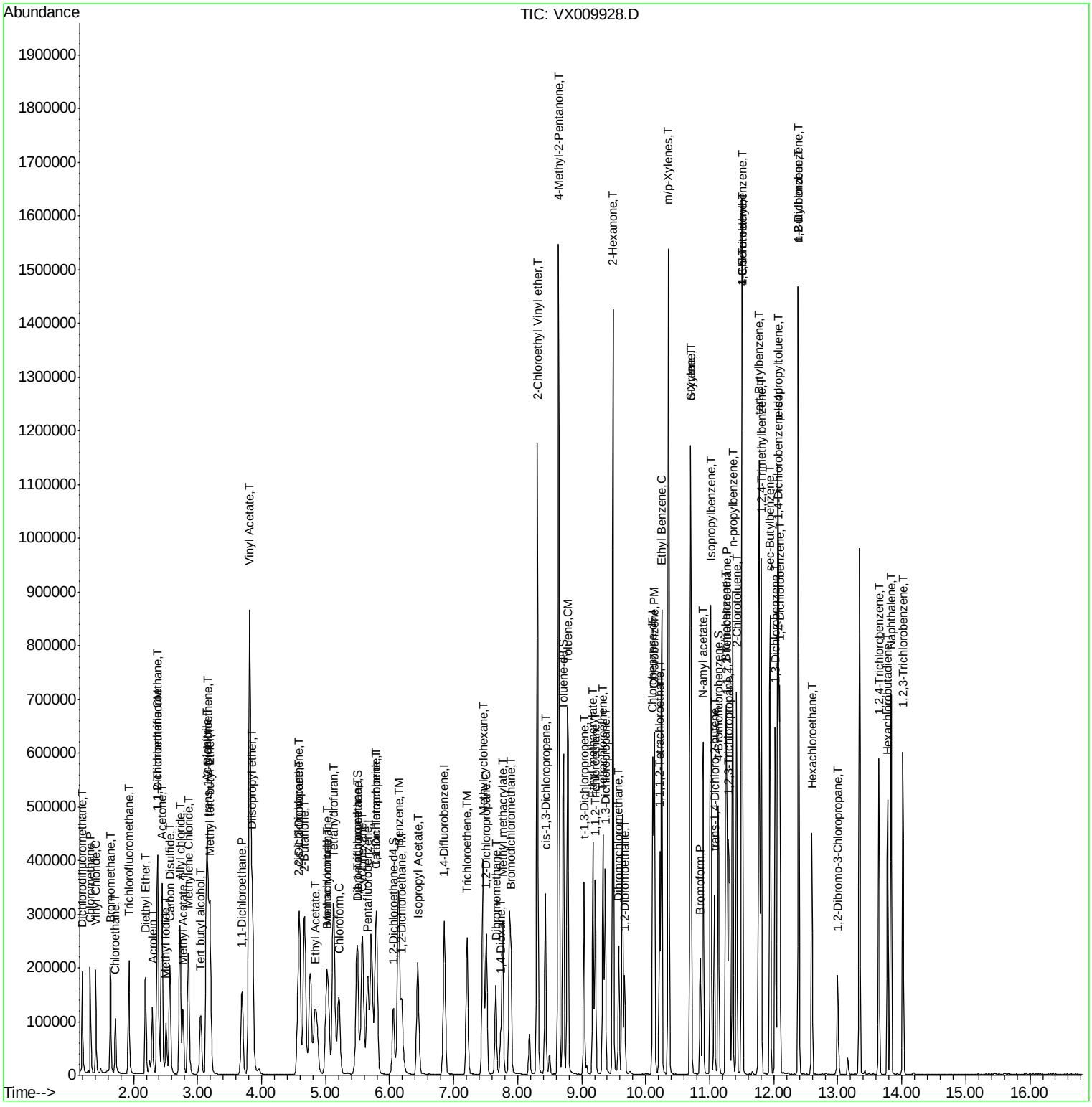
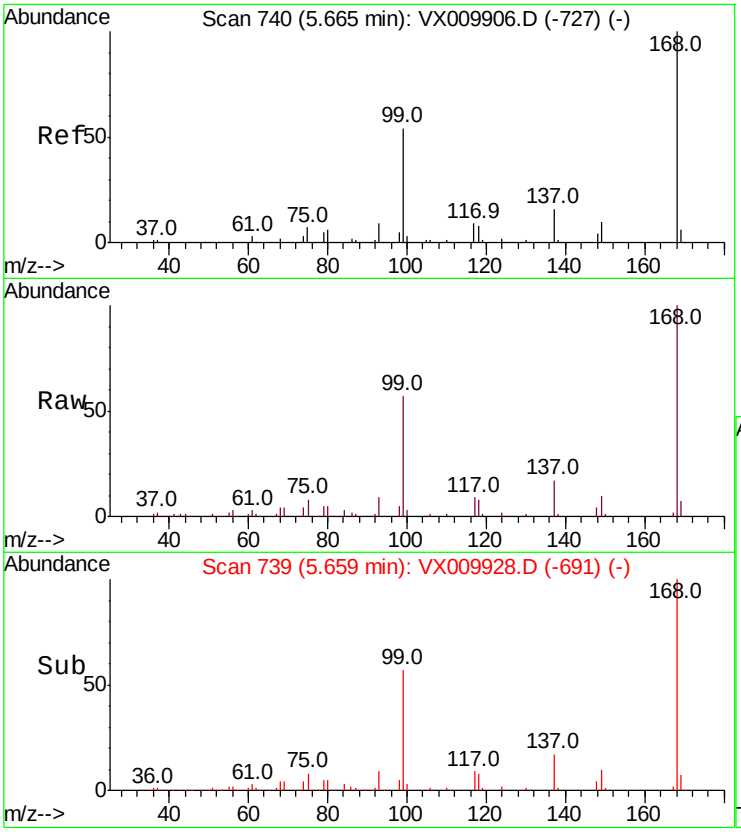
5/30/2019 9:54:18 AM

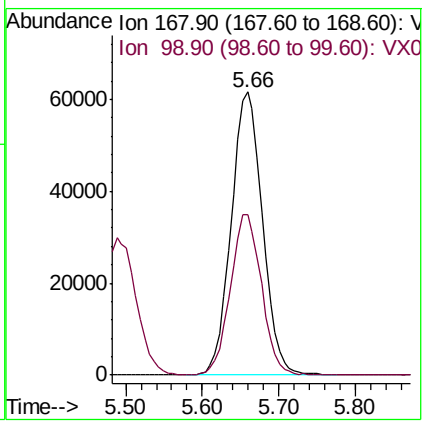





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.01 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

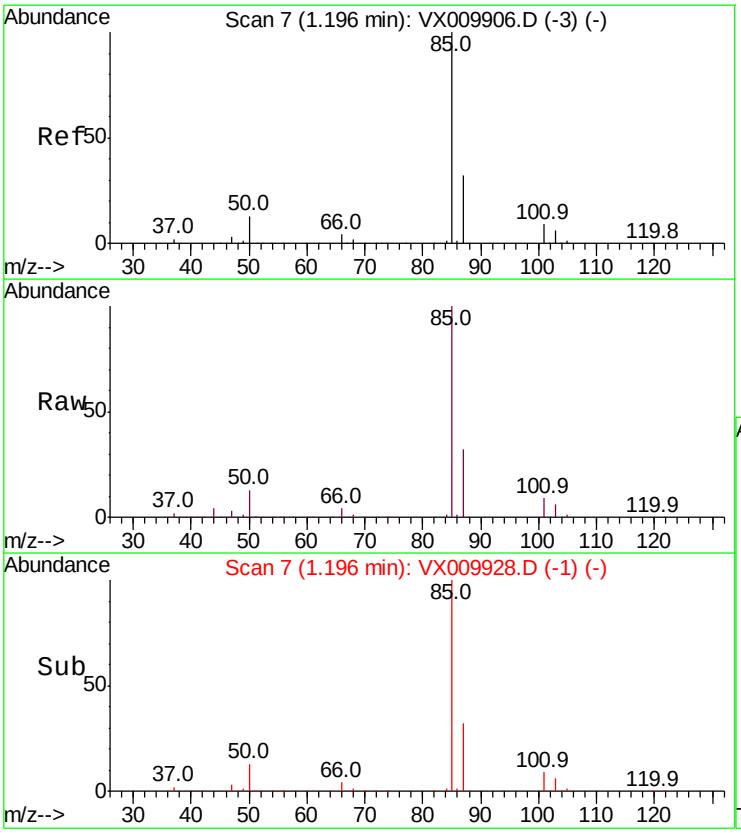
Tgt Ion:168 Resp: 174313

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 56.7 | 43.0 | 64.6 |




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

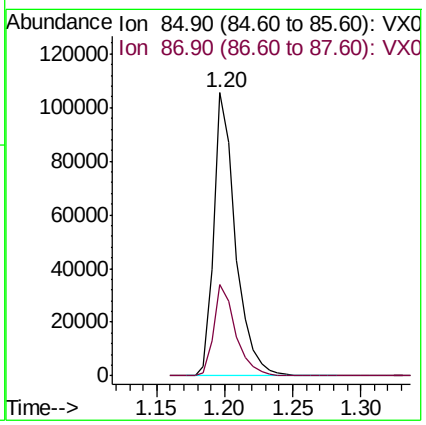
**Manual Integrations APPROVED**
MMDadoda
5/30/2019 9:54:18 AM

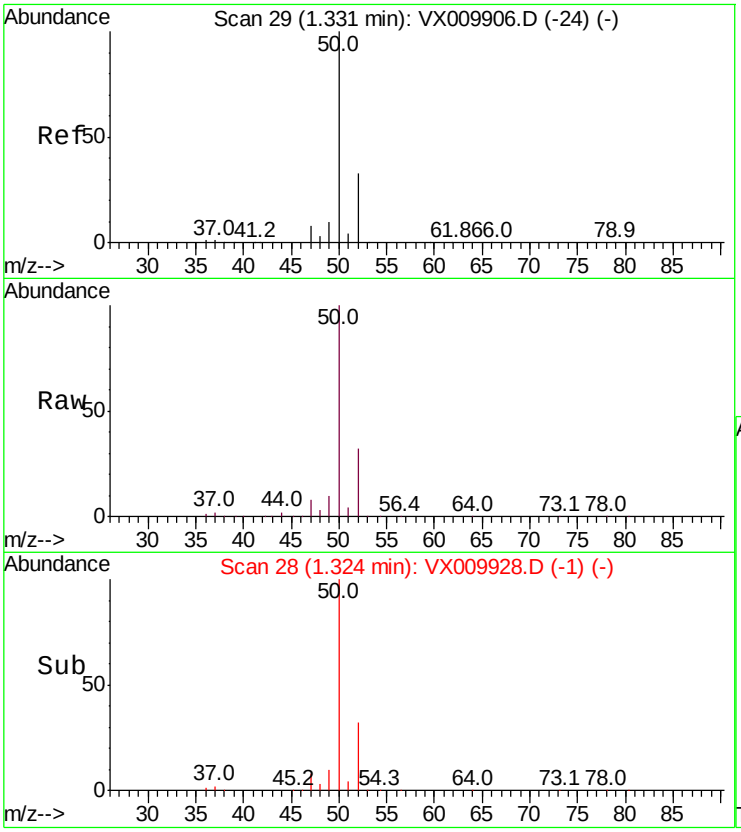



#2
Dichlorodifluoromethane
Concen: 54.838 ug/l
RT: 1.20 min Scan# 7
Delta R.T. -0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion: 85 Resp: 116809

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.4 | 16.1 | 48.2 |

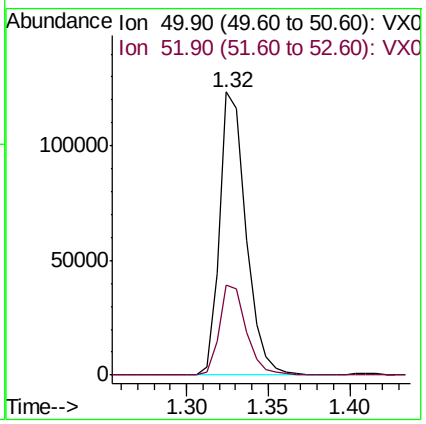





#3
Chloromethane
Concen: 48.955 ug/l
RT: 1.32 min Scan# 28
Delta R.T. -0.01 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion: 50 Resp: 140188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.0 | 26.0 | 39.0 |




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

**Manual Integrations APPROVED**
MMDadoda
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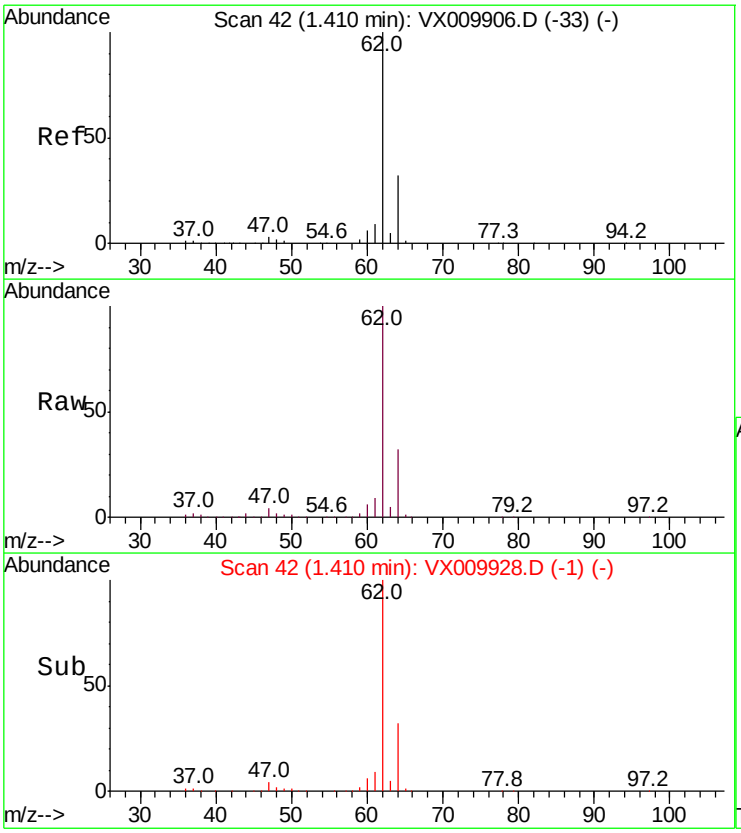
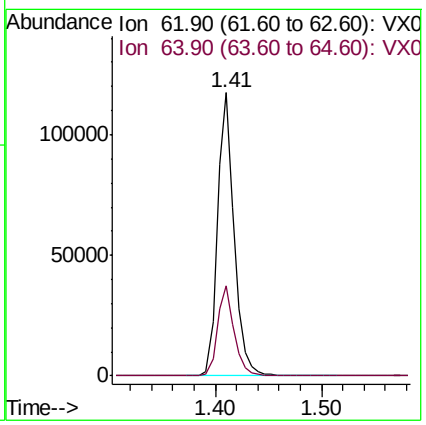
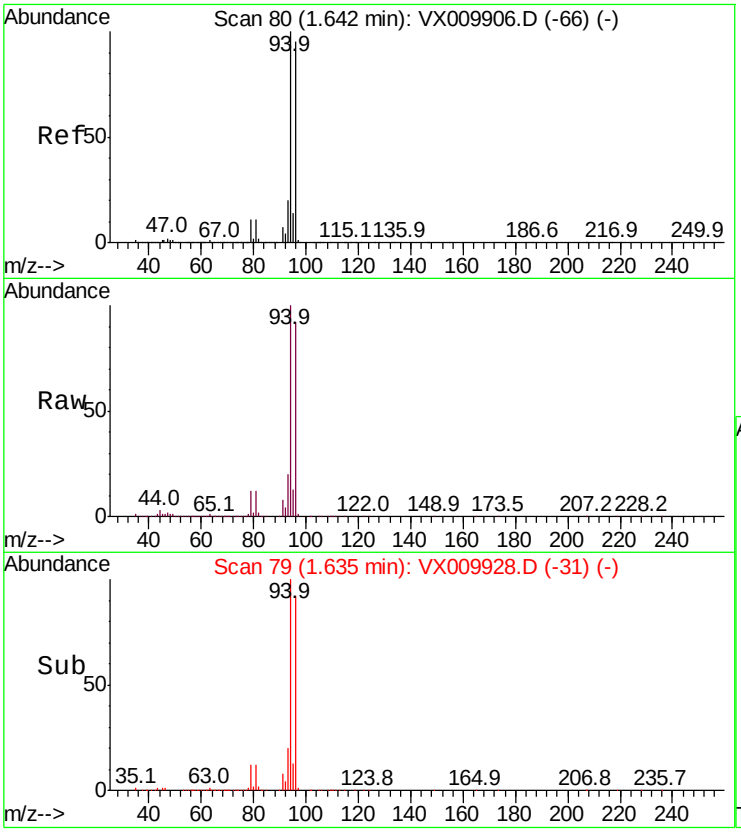



#4
Vinyl Chloride
Concen: 48.905 ug/l
RT: 1.41 min Scan# 42
Delta R.T. -0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion: 62 Resp: 126245

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.0 | 25.7 | 38.5 |

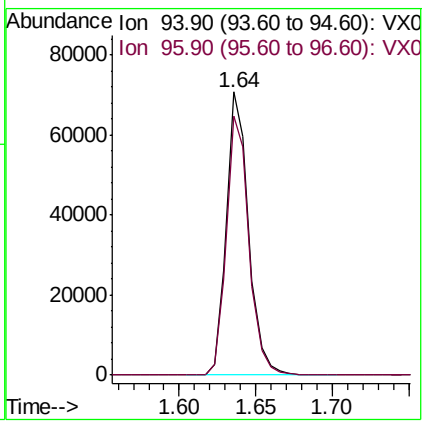





#5
Bromomethane
Concen: 45.134 ug/l
RT: 1.64 min Scan# 79
Delta R.T. -0.01 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

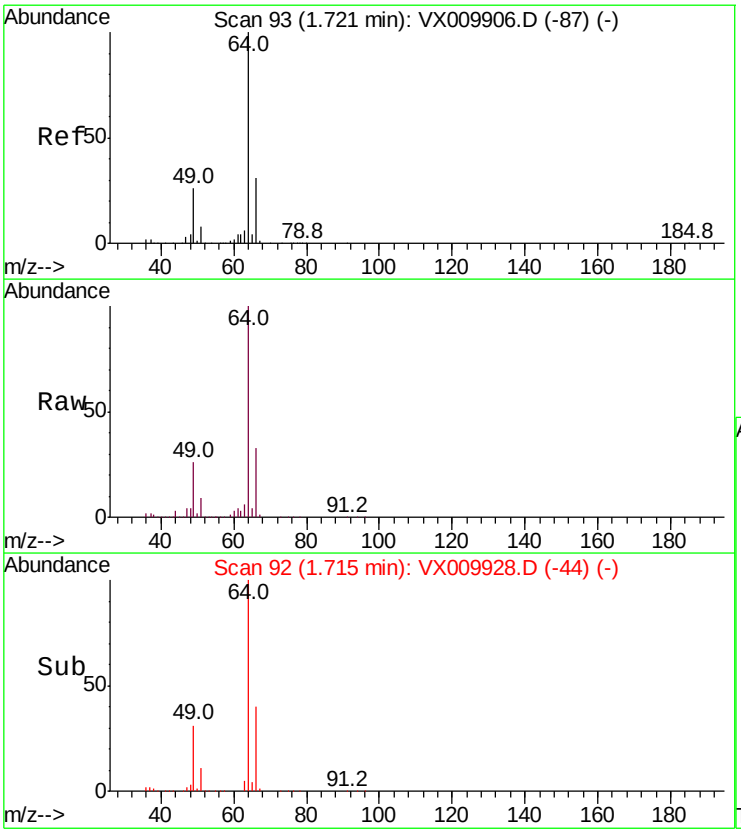
Tgt Ion: 94 Resp: 70591

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 91.8 | 76.2 | 114.4 |




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

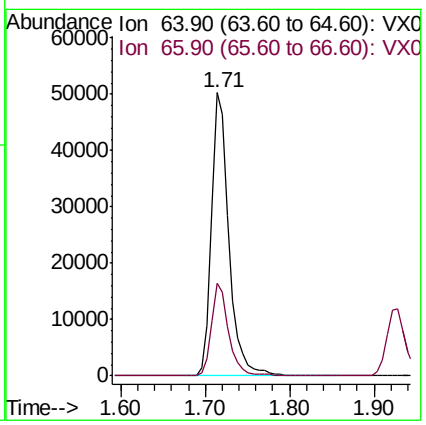
**Manual Integrations APPROVED**
MMDadoda
5/30/2019 9:54:18 AM

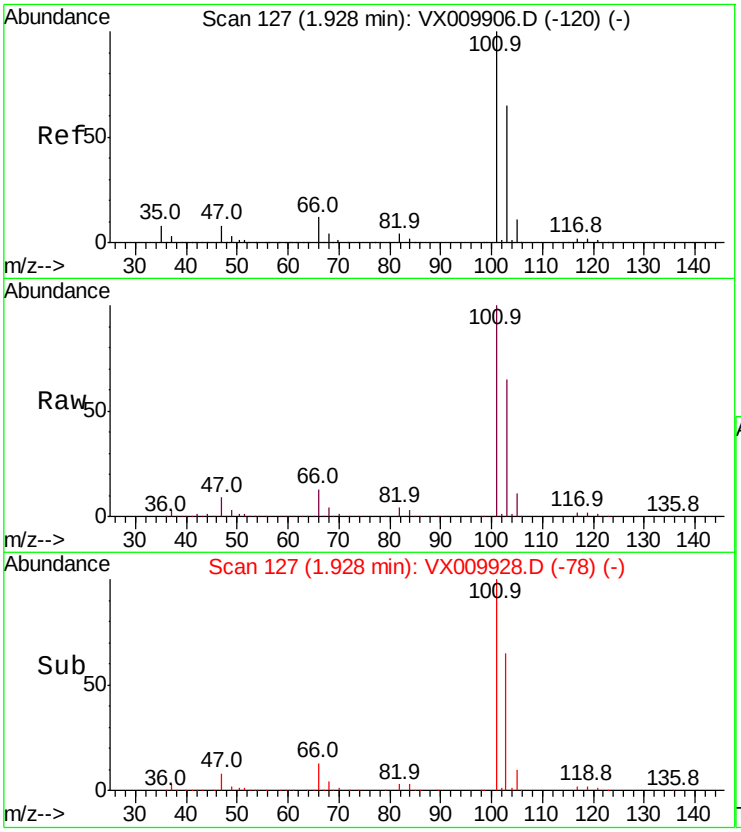



#6
Chloroethane
Concen: 45.518 ug/l
RT: 1.71 min Scan# 92
Delta R.T. -0.01 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion: 64 Resp: 72332

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 32.8 | 25.1 | 37.7 |

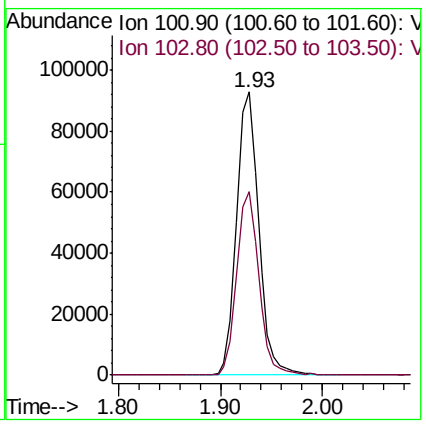





#7
Trichlorofluoromethane
Concen: 48.803 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

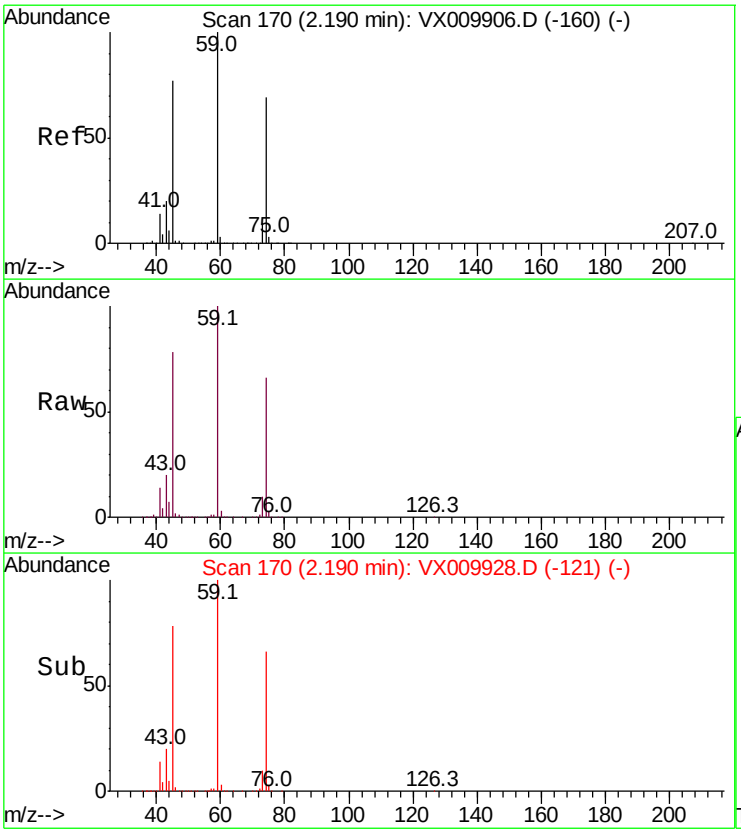
Tgt Ion:101 Resp: 139217

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 64.8 | 52.2 | 78.4 |




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

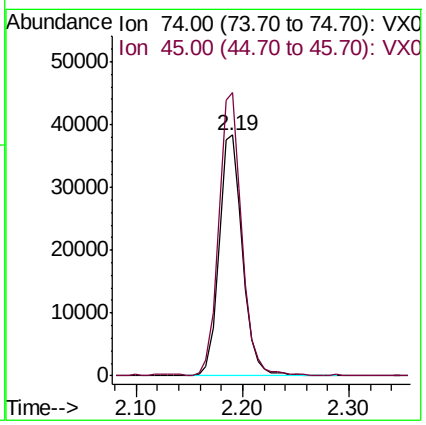
**Manual Integrations APPROVED**
MMDadoda
5/30/2019 9:54:18 AM

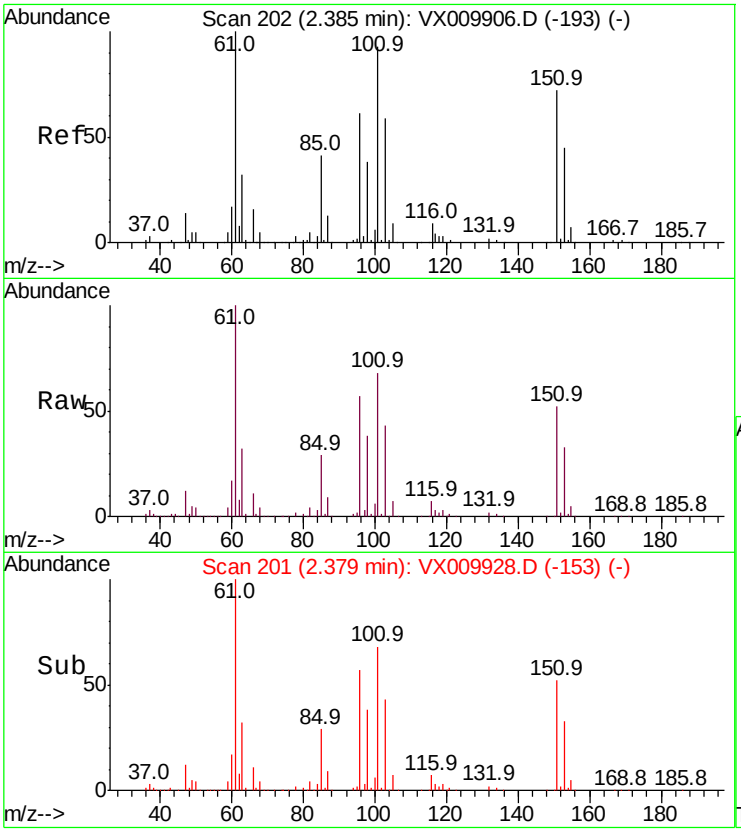



#8
Diethyl Ether
Concen: 43.556 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion: 74 Resp: 58387

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 115.0 | 56.1 | 168.3 |

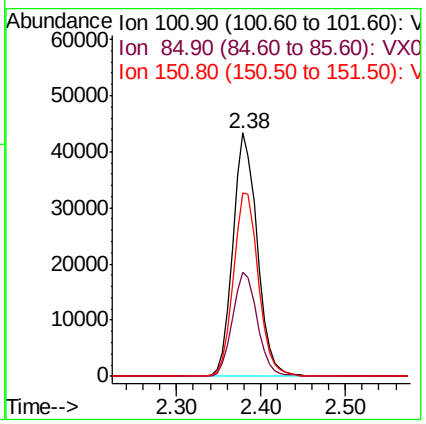





#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.708 ug/l
RT: 2.38 min Scan# 201
Delta R.T. -0.01 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion:101 Resp: 83887

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 43.8 | 35.2 | 52.8 |
| 151 | 77.5 | 61.9 | 92.9 |




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

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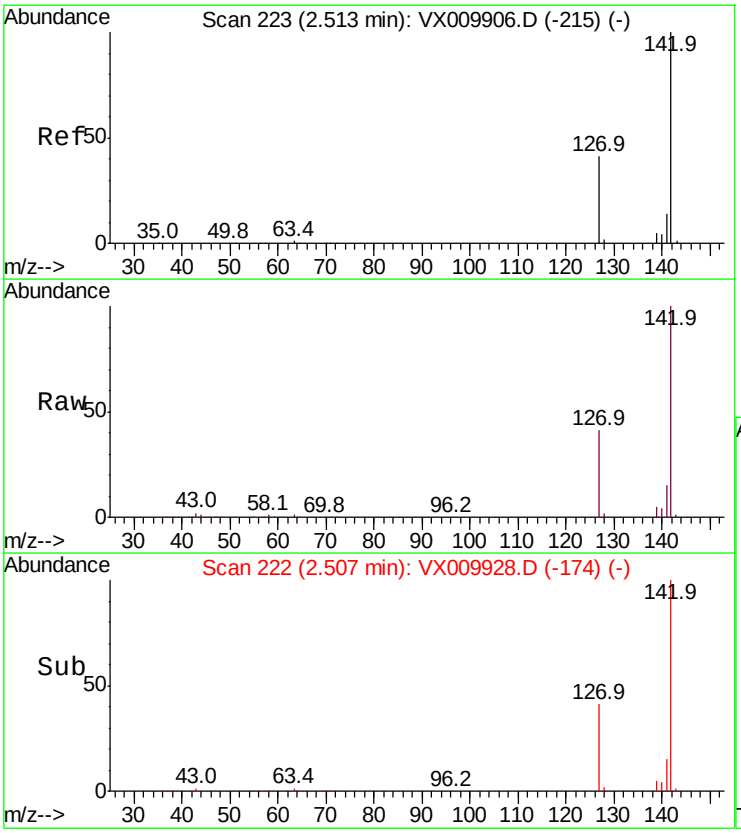
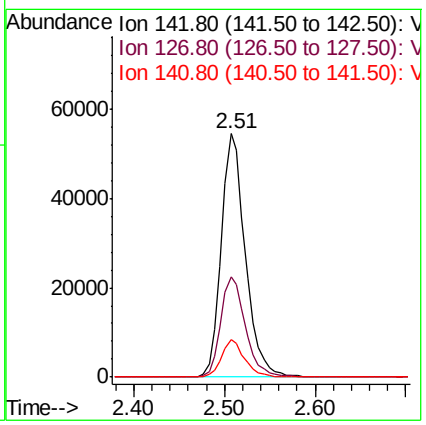
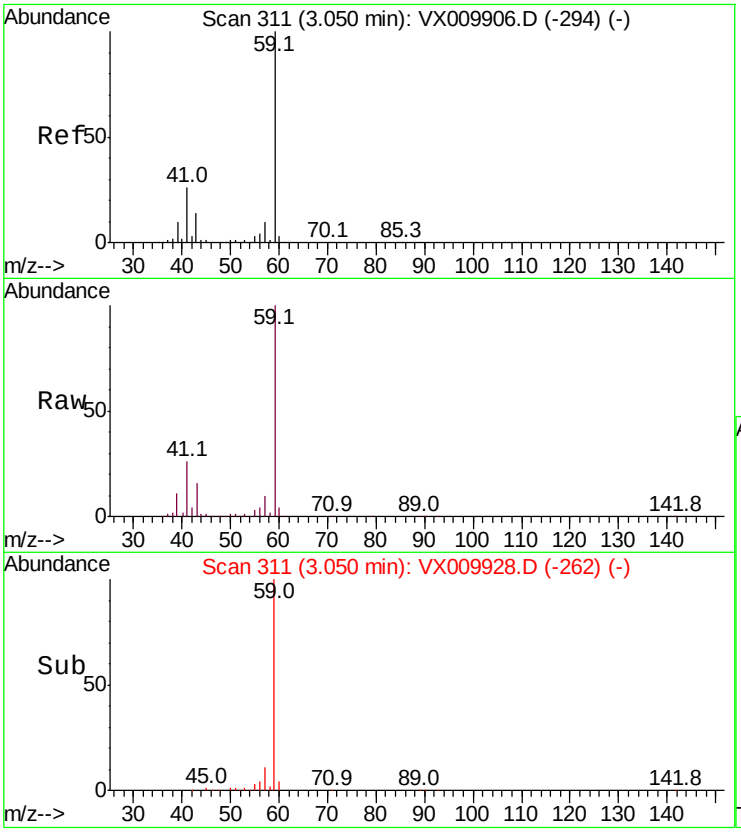



#10
Methyl Iodide
Concen: 47.454 ug/l
RT: 2.51 min Scan# 222
Delta R.T. -0.01 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion:142 Resp: 100643

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 42.2 | 33.0 | 49.4 |
| 141 | 14.7 | 11.4 | 17.0 |

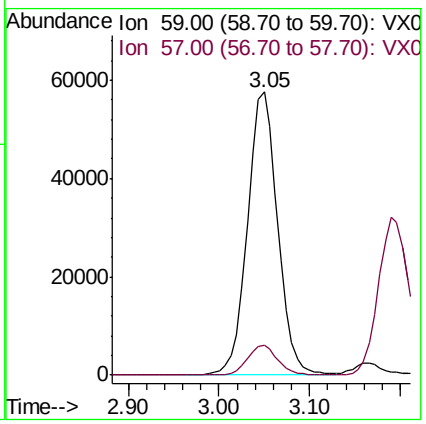





#11
Tert butyl alcohol
Concen: 219.413 ug/l
RT: 3.05 min Scan# 311
Delta R.T. -0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion: 59 Resp: 132959

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.5 | 8.2 | 12.2 |




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

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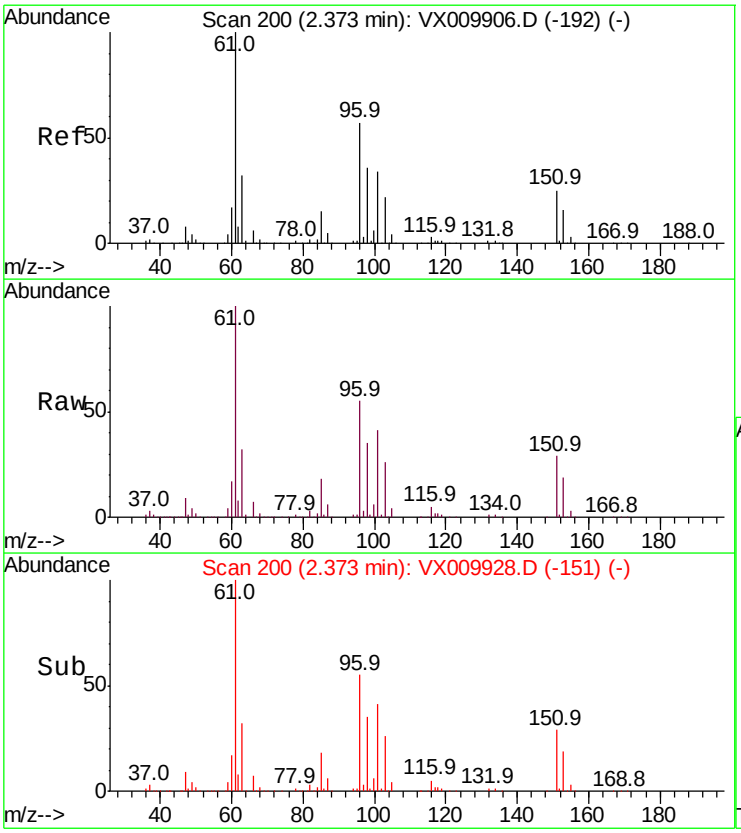
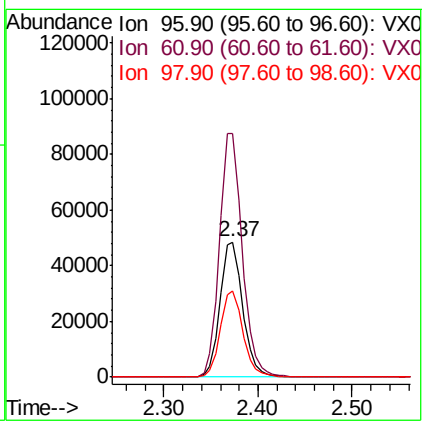
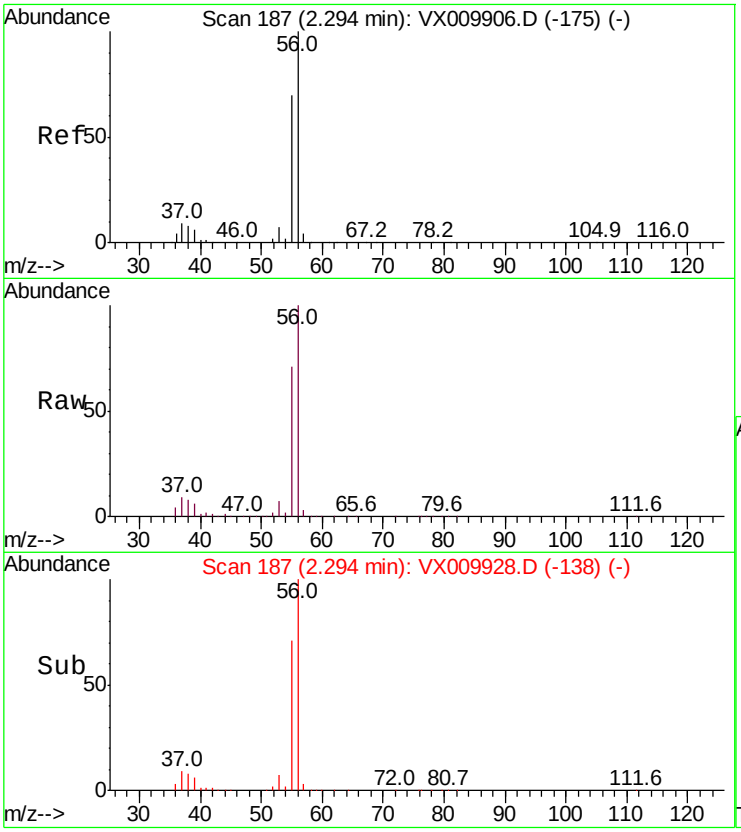



#12
1,1-Dichloroethene
Concen: 46.206 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion: 96 Resp: 81569

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 180.5 | 140.7 | 211.1 |
| 98 | 63.9 | 50.1 | 75.1 |

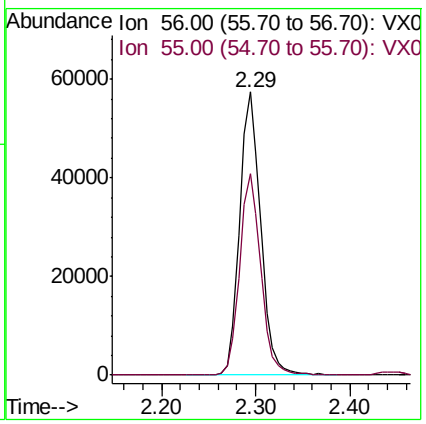





#13
Acrolein
Concen: 212.401 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion: 56 Resp: 89745

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 71.6 | 57.0 | 85.4 |




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

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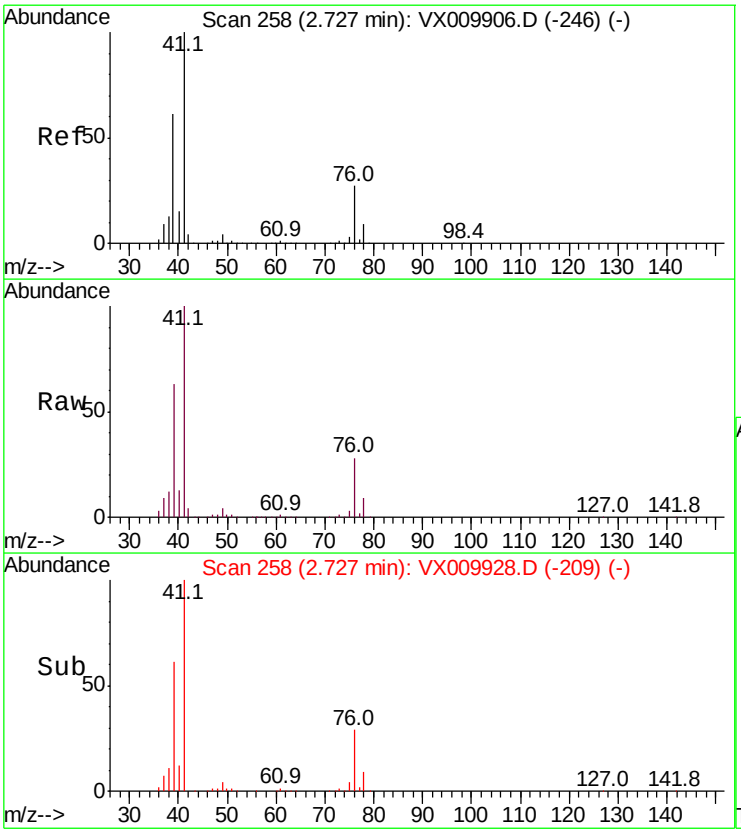
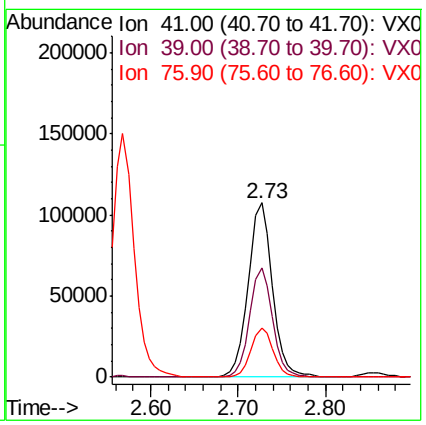
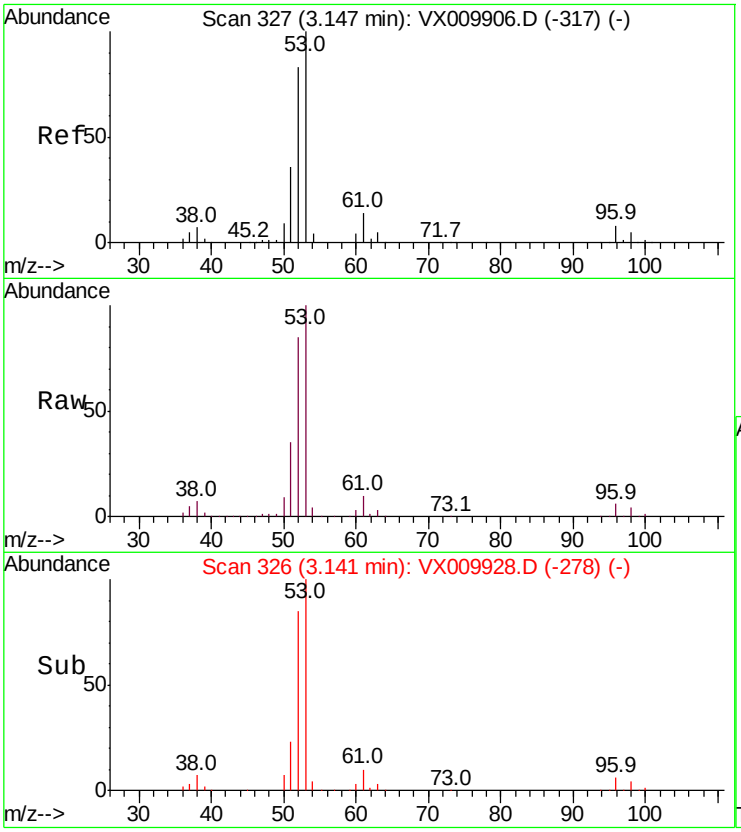



#14
Allyl chloride
Concen: 48.101 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion: 41 Resp: 206384

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 59.5 | 46.7 | 70.1 |
| 76 | 26.0 | 21.0 | 31.4 |

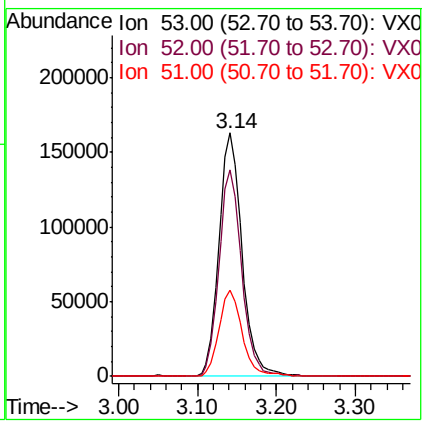





#15
Acrylonitrile
Concen: 227.322 ug/l
RT: 3.14 min Scan# 326
Delta R.T. -0.01 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion: 53 Resp: 331909

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 83.5 | 66.7 | 100.1 |
| 51 | 35.5 | 28.8 | 43.2 |




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

**Manual Integrations APPROVED**
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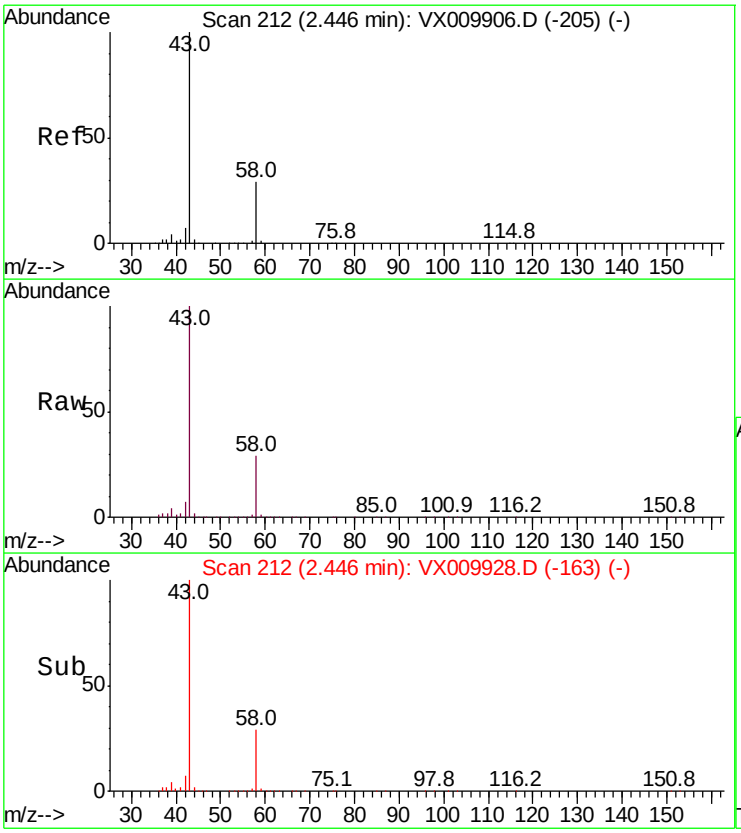
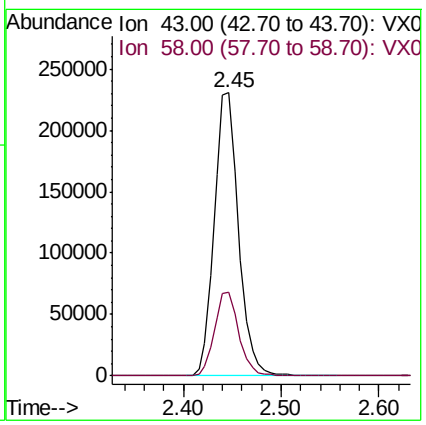
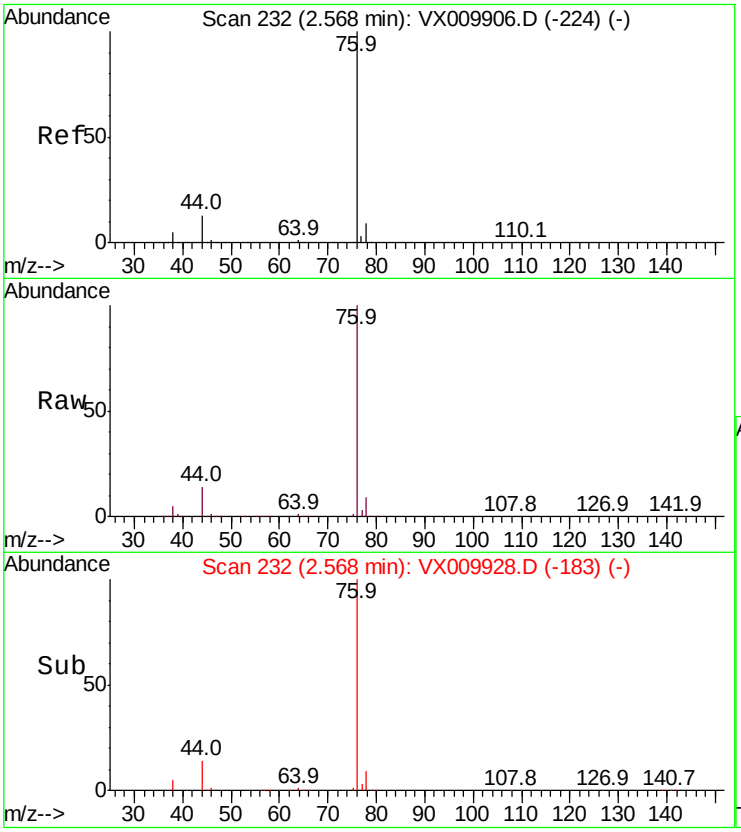



#16
Acetone
Concen: 277.805 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion: 43 Resp: 395226

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.5 | 23.2 | 34.8 |

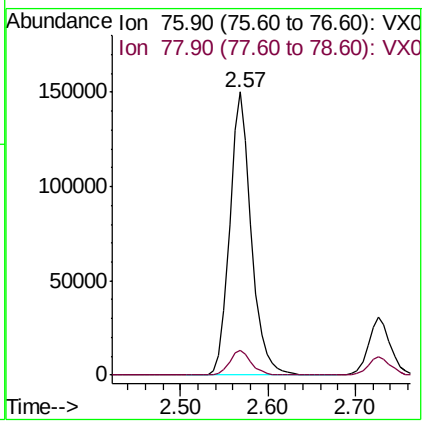





#17
Carbon Disulfide
Concen: 48.225 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion: 76 Resp: 257706

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.7 | 7.0 | 10.6 |




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

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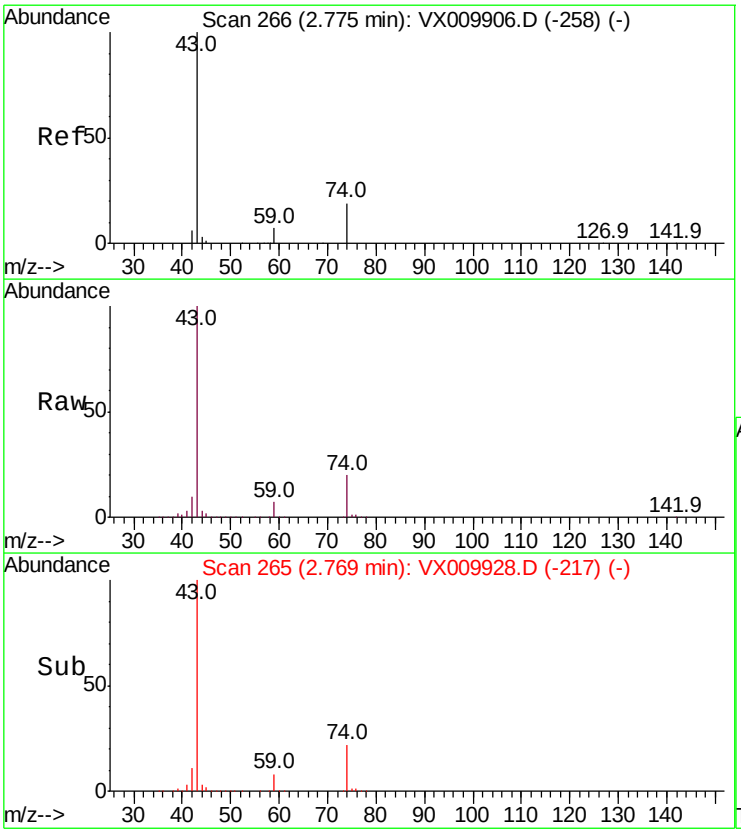
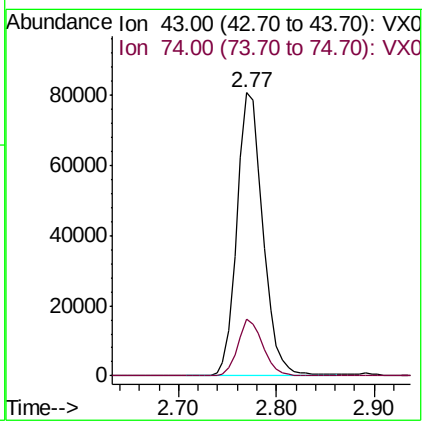
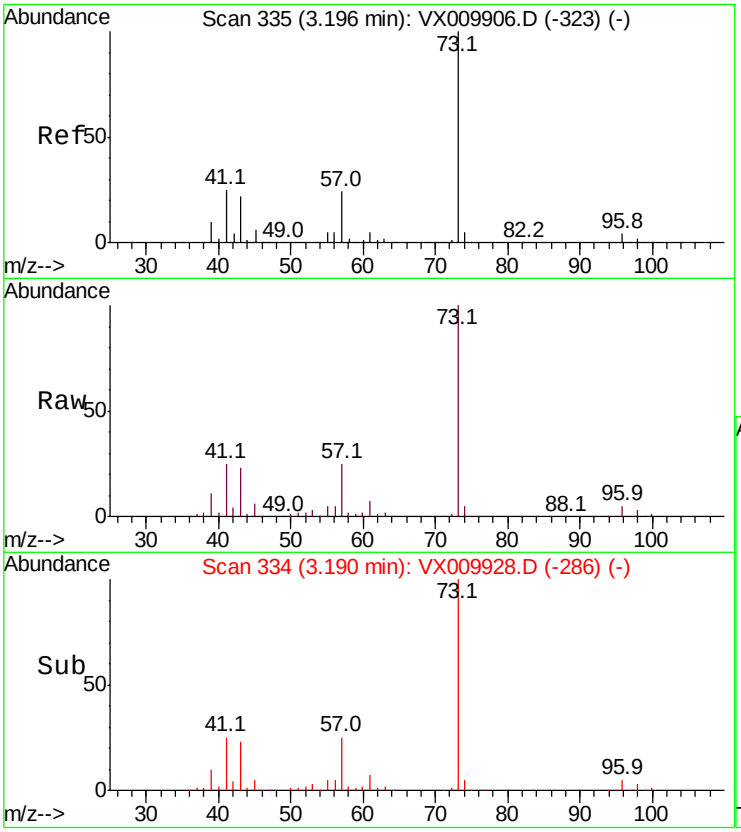



#18
Methyl Acetate
Concen: 44.881 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion: 43 Resp: 148573

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 19.9 | 15.8 | 23.6 |

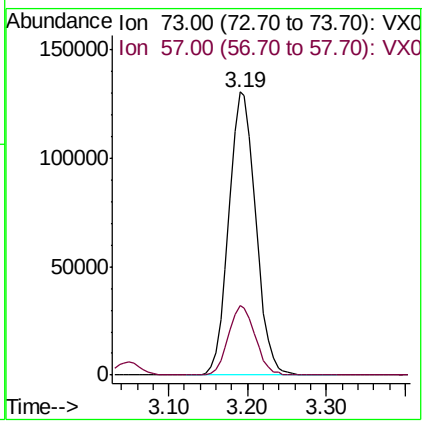





#19
Methyl tert-butyl Ether
Concen: 46.631 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion: 73 Resp: 310788

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 24.5 | 19.4 | 29.2 |




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

**Manual Integrations APPROVED**
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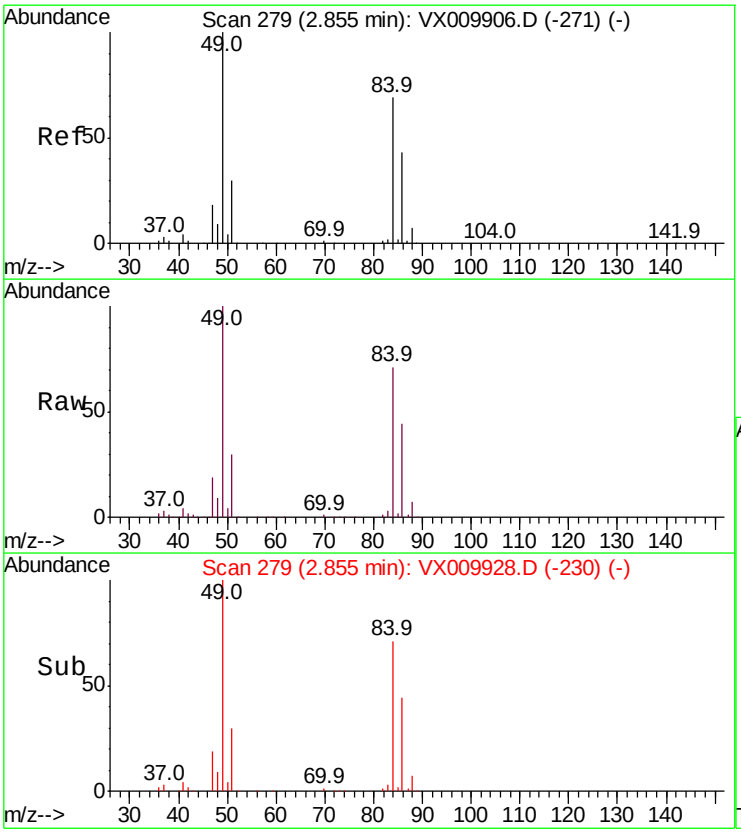
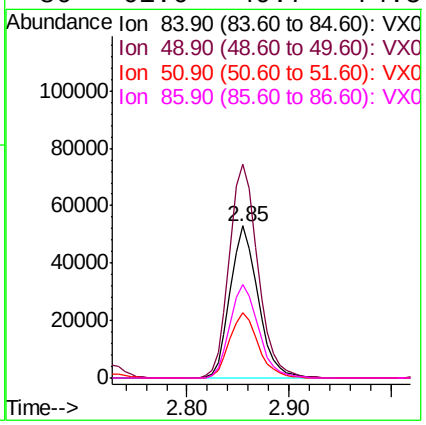
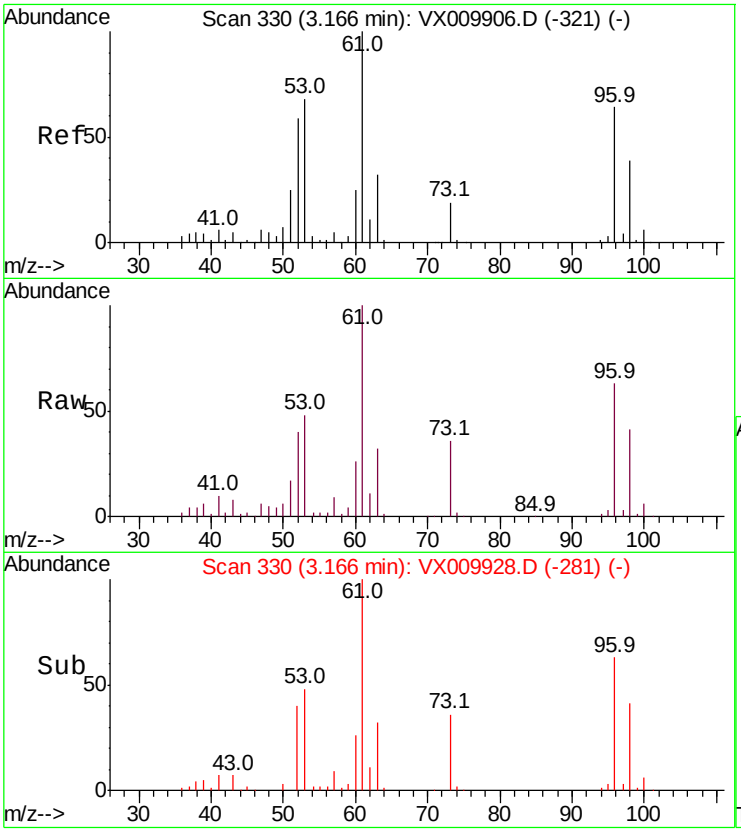



#20
Methylene Chloride
Concen: 46.131 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion: 84 Resp: 100504

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 140.6 | 115.8 | 173.6 |
| 51 | 42.6 | 34.4 | 51.6 |
| 86 | 61.6 | 49.7 | 74.5 |

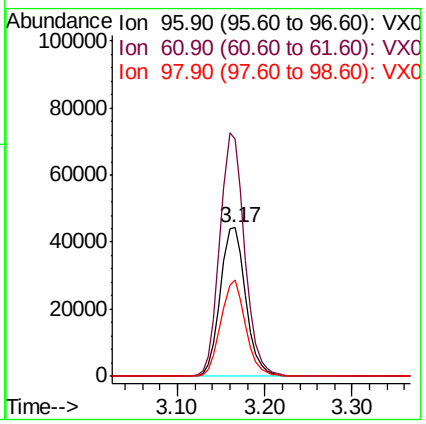





#21
trans-1,2-Dichloroethene
Concen: 45.662 ug/l
RT: 3.17 min Scan# 330
Delta R.T. -0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion: 96 Resp: 89691

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 159.0 | 125.7 | 188.5 |
| 98 | 64.7 | 49.0 | 73.6 |




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

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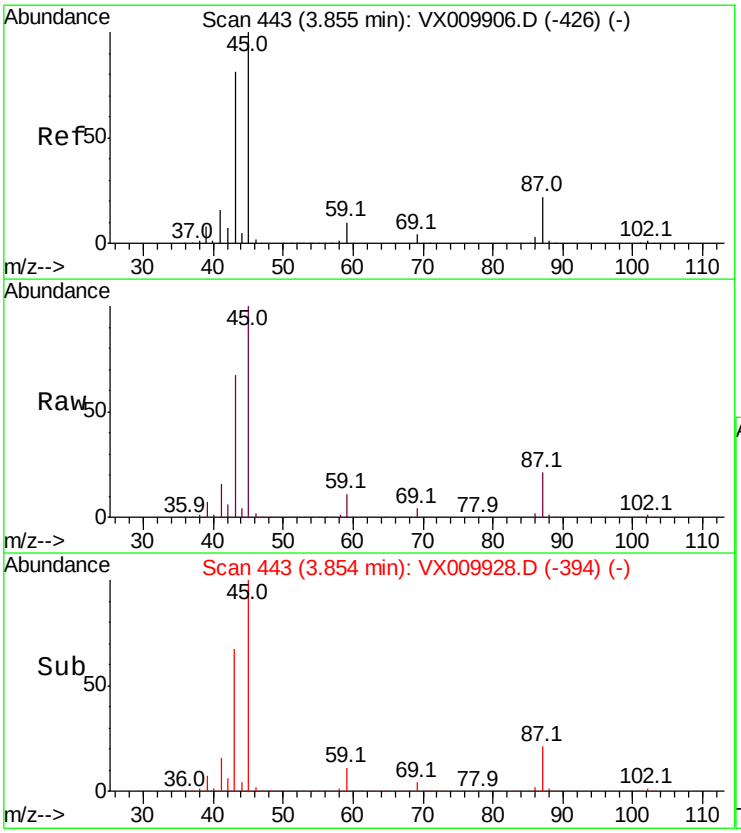
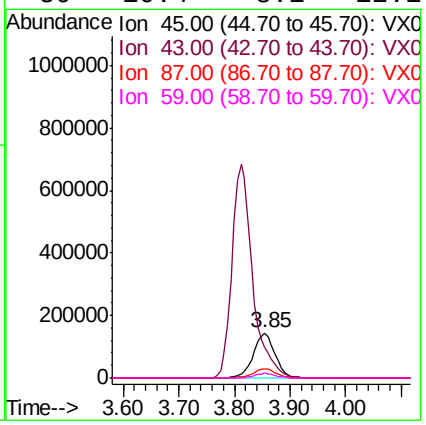
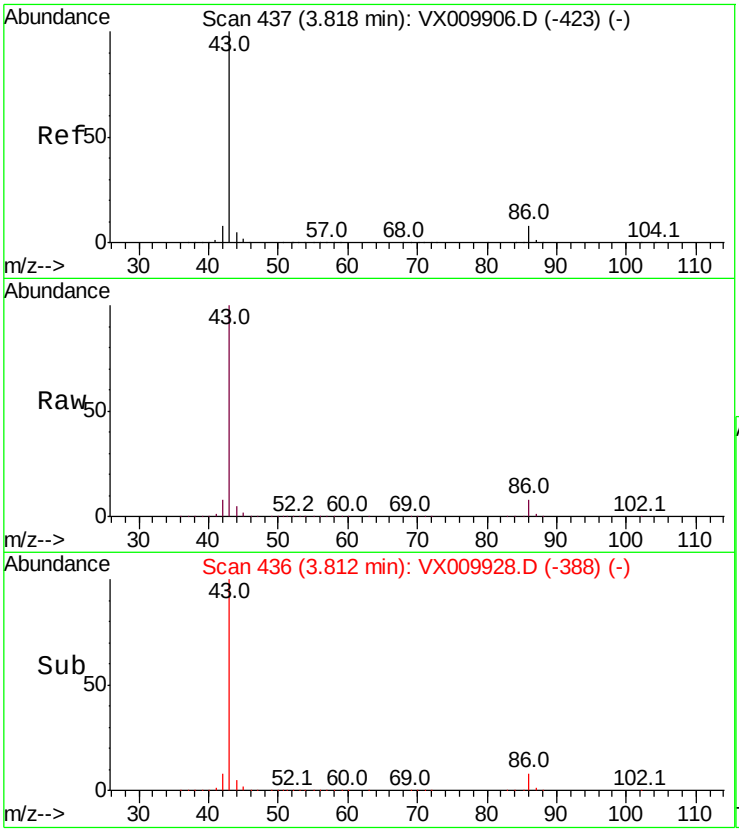



#22
Diisopropyl ether
Concen: 47.850 ug/l
RT: 3.85 min Scan# 443
Delta R.T. -0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion: 45 Resp: 390638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 67.3 | 65.0 | 97.4 |
| 87 | 21.3 | 17.3 | 25.9 |
| 59 | 10.4 | 8.1 | 12.1 |

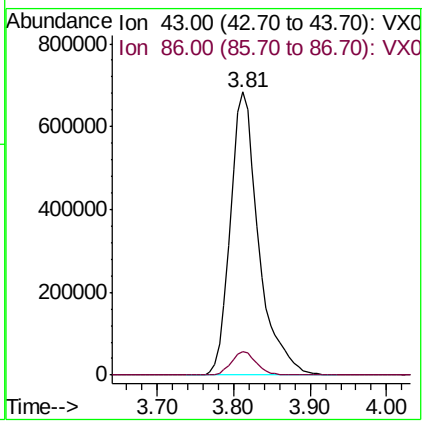





#23
Vinyl Acetate
Concen: 238.899 ug/l
RT: 3.81 min Scan# 436
Delta R.T. -0.01 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion: 43 Resp: 1752053

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 8.4 | 6.5 | 9.7 |




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

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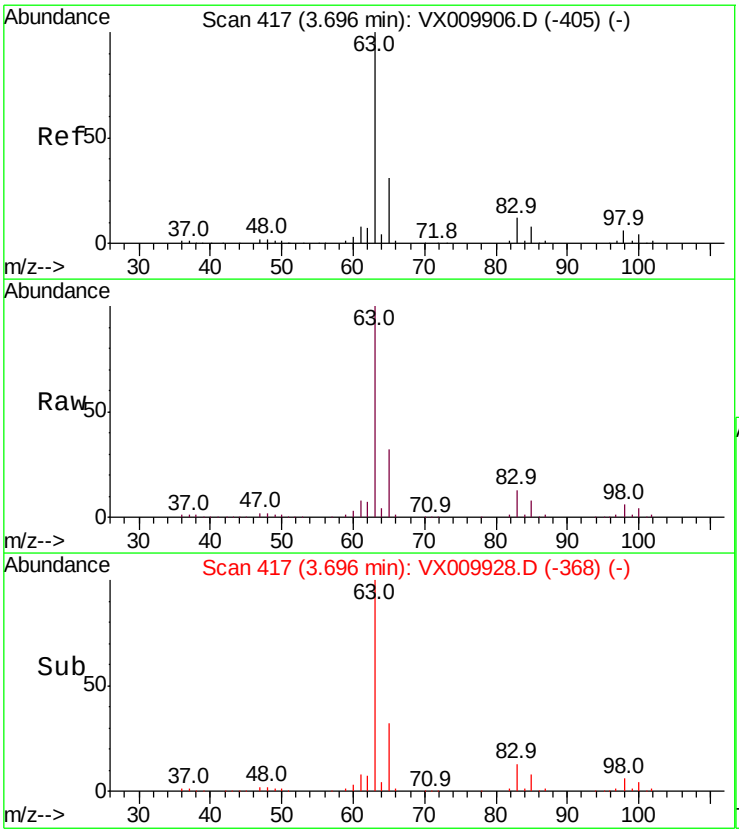
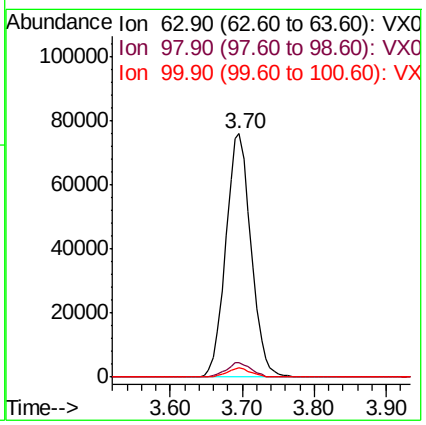
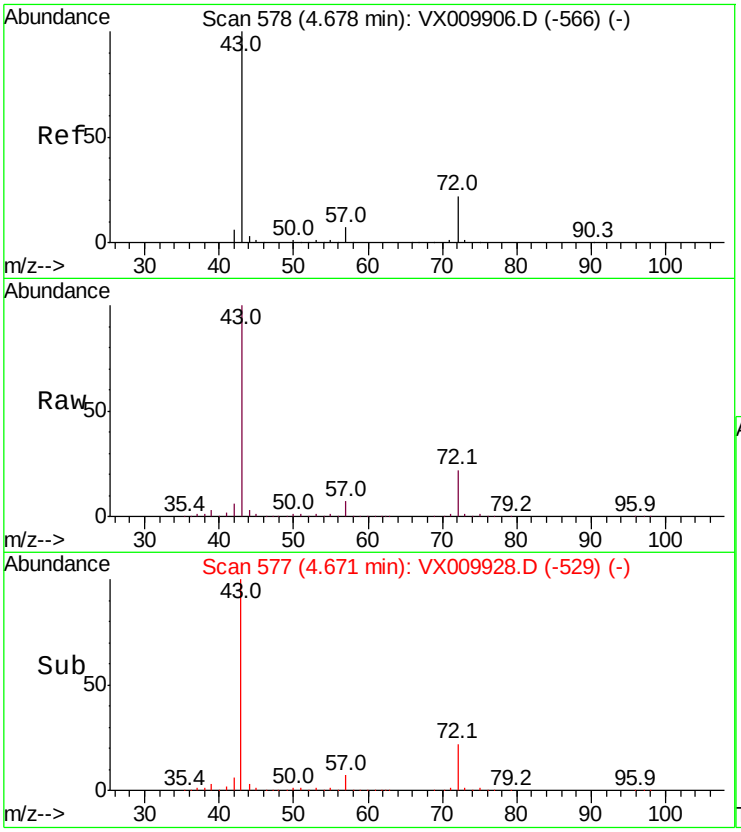



#24
1,1-Dichloroethane
Concen: 46.917 ug/l
RT: 3.70 min Scan# 417
Delta R.T. -0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion: 63 Resp: 185615

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.1 | 2.9 | 8.8 |
| 100 | 3.7 | 1.8 | 5.4 |

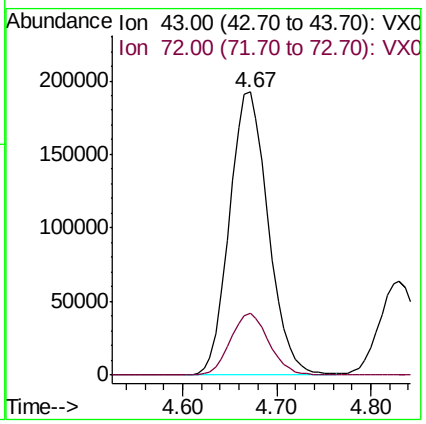





#25
2-Butanone
Concen: 248.624 ug/l
RT: 4.67 min Scan# 577
Delta R.T. -0.01 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion: 43 Resp: 551075

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 21.7 | 17.5 | 26.3 |




**Instrument :**
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VSTDCCC050

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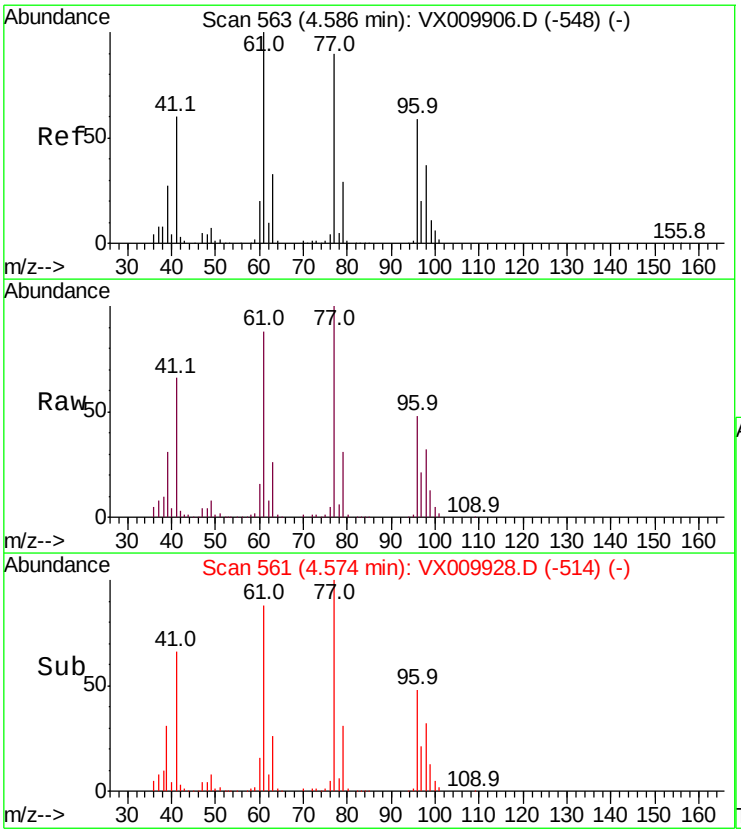
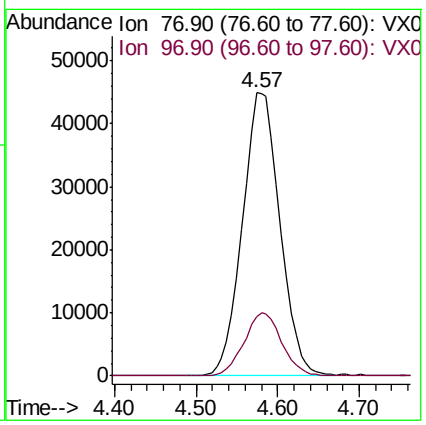
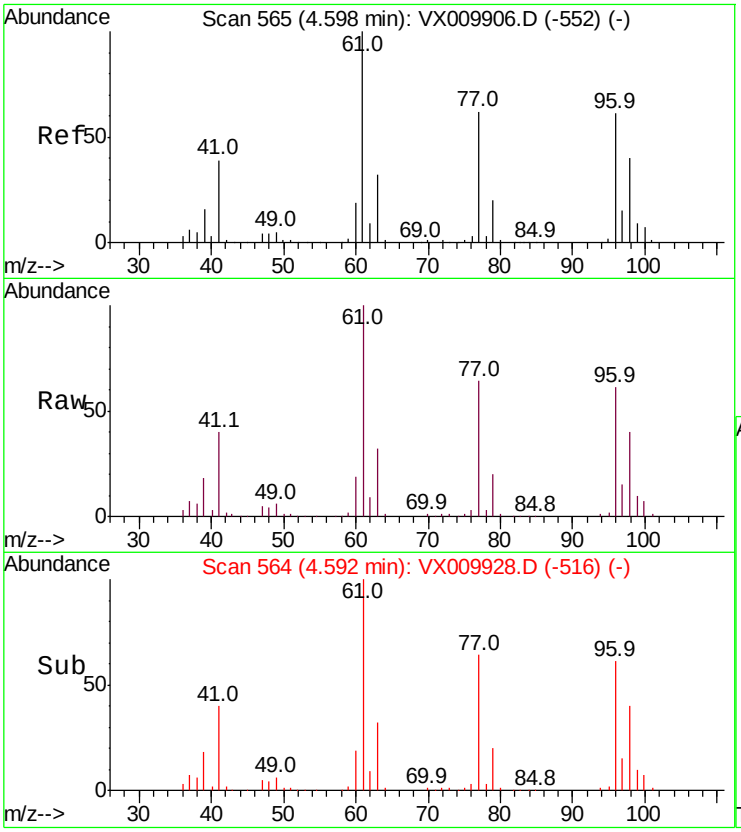



#26
2,2-Dichloropropane
Concen: 48.014 ug/l
RT: 4.57 min Scan# 561
Delta R.T. -0.01 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion: 77 Resp: 143695

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.3 | 11.4 | 34.2 |

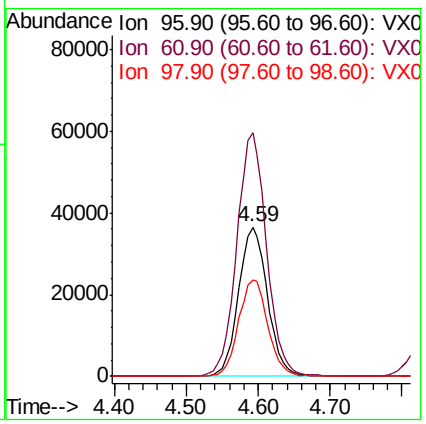





#27
cis-1,2-Dichloroethene
Concen: 44.939 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion: 96 Resp: 101892

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 167.8 | 0.0 | 334.0 |
| 98 | 65.3 | 0.0 | 131.6 |




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

**Manual Integrations APPROVED**
MMDadoda
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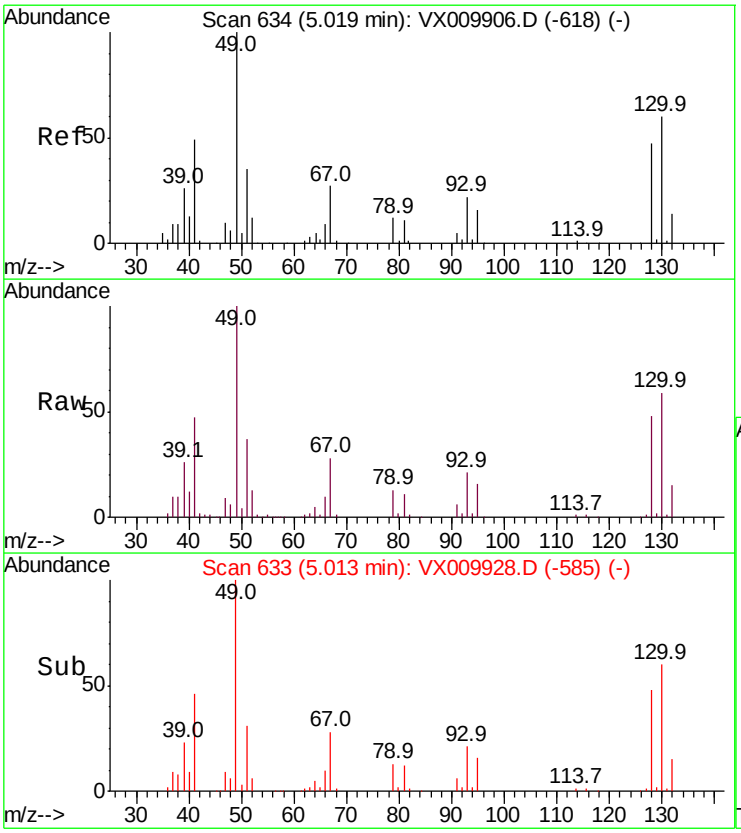
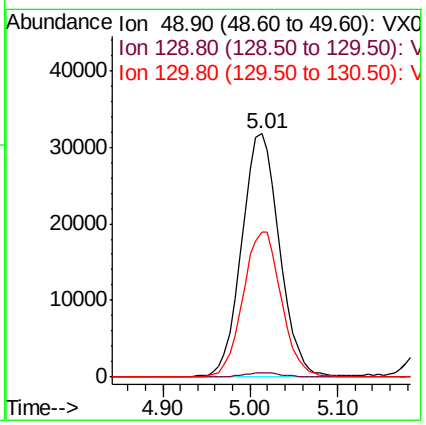
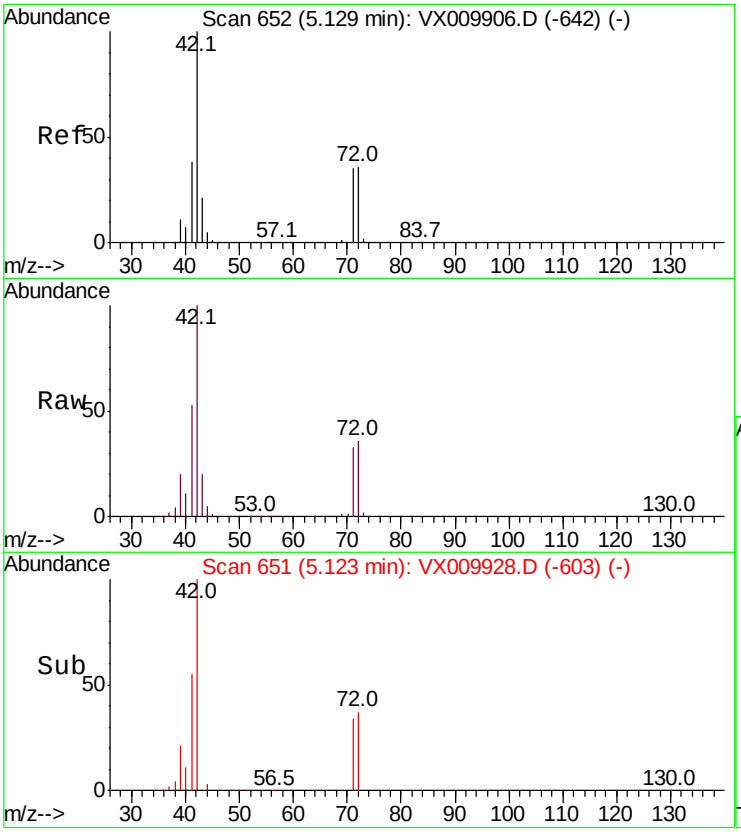



#28
Bromochloromethane
Concen: 46.216 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion: 49 Resp: 94883

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.8 | 0.0 | 3.4 |
| 130 | 61.0 | 49.4 | 74.2 |

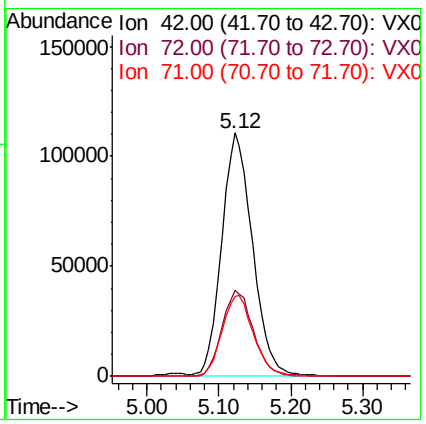





#29
Tetrahydrofuran
Concen: 229.790 ug/l
RT: 5.12 min Scan# 651
Delta R.T. -0.01 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion: 42 Resp: 326614

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 36.6 | 29.2 | 43.8 |
| 71 | 34.2 | 27.6 | 41.4 |




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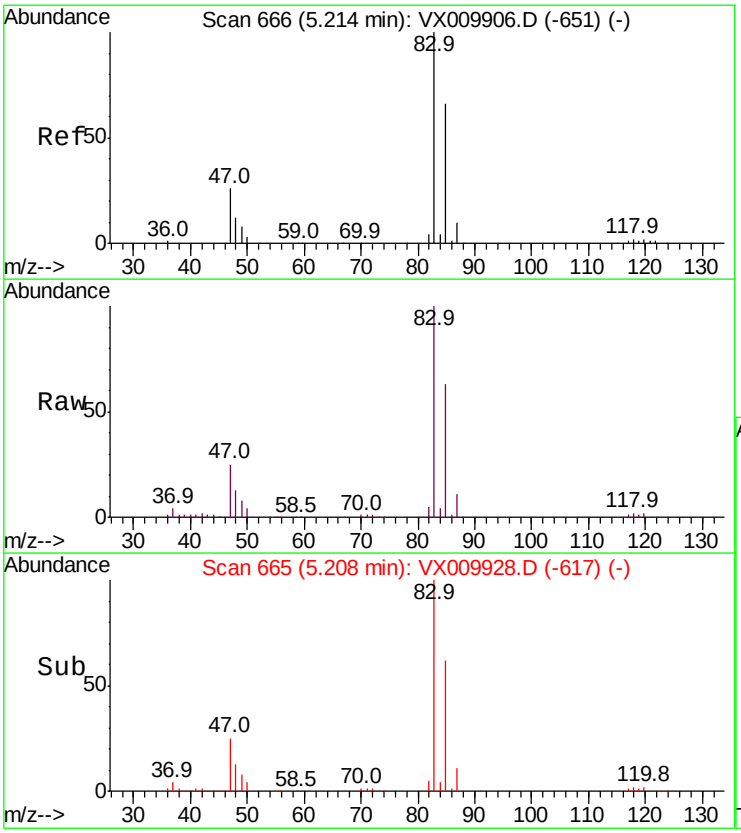
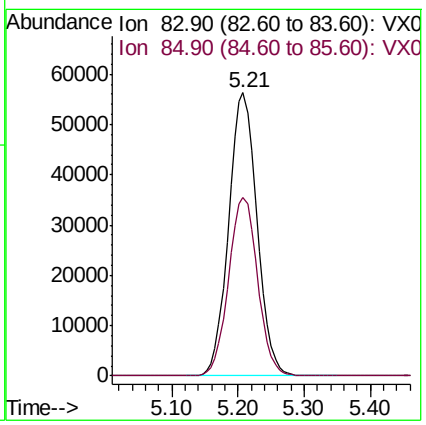
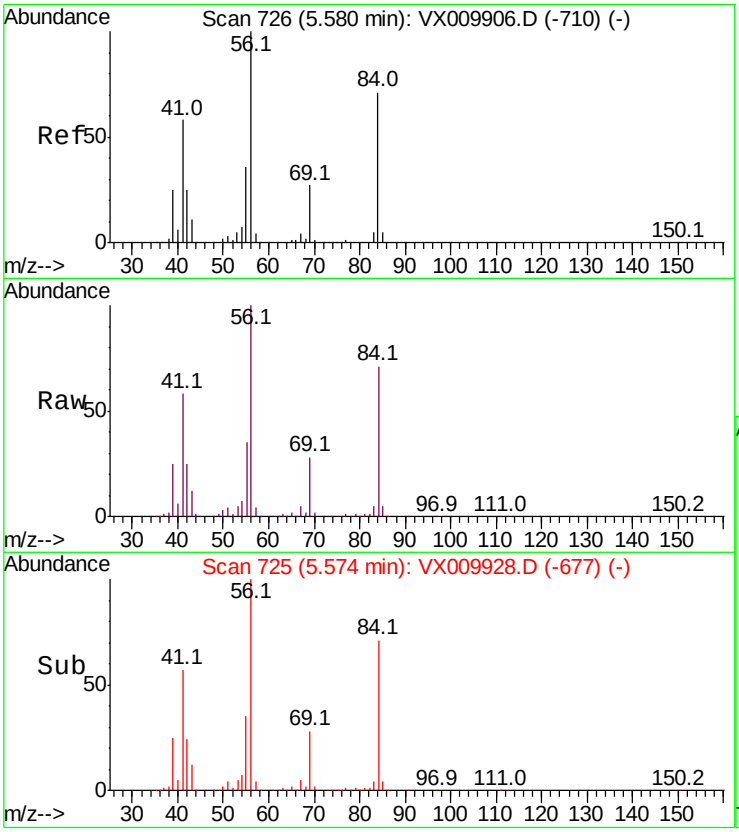



#30
Chloroform
Concen: 47.008 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion: 83 Resp: 167726

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.2 | 52.6 | 78.8 |

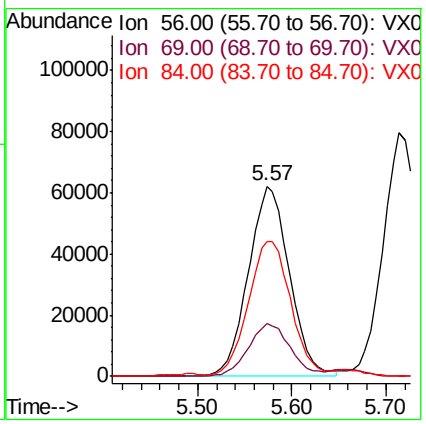





#31
Cyclohexane
Concen: 50.469 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.01 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion: 56 Resp: 189113

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 27.9 | 21.6 | 32.4 |
| 84 | 69.7 | 56.8 | 85.2 |




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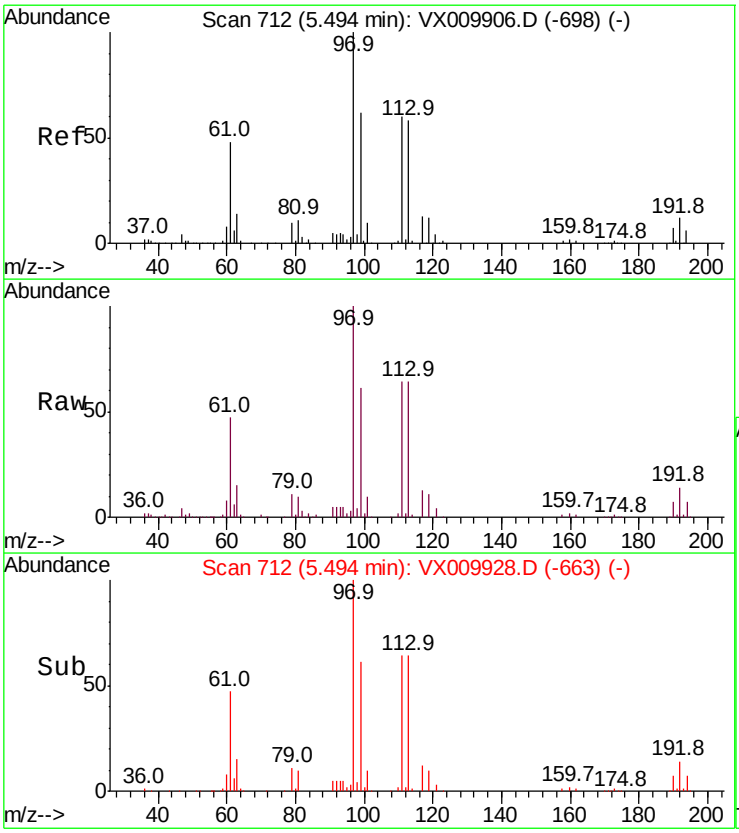
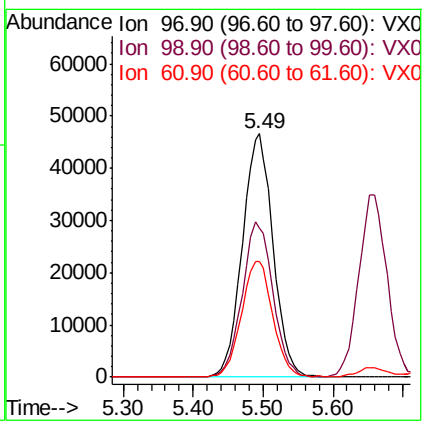
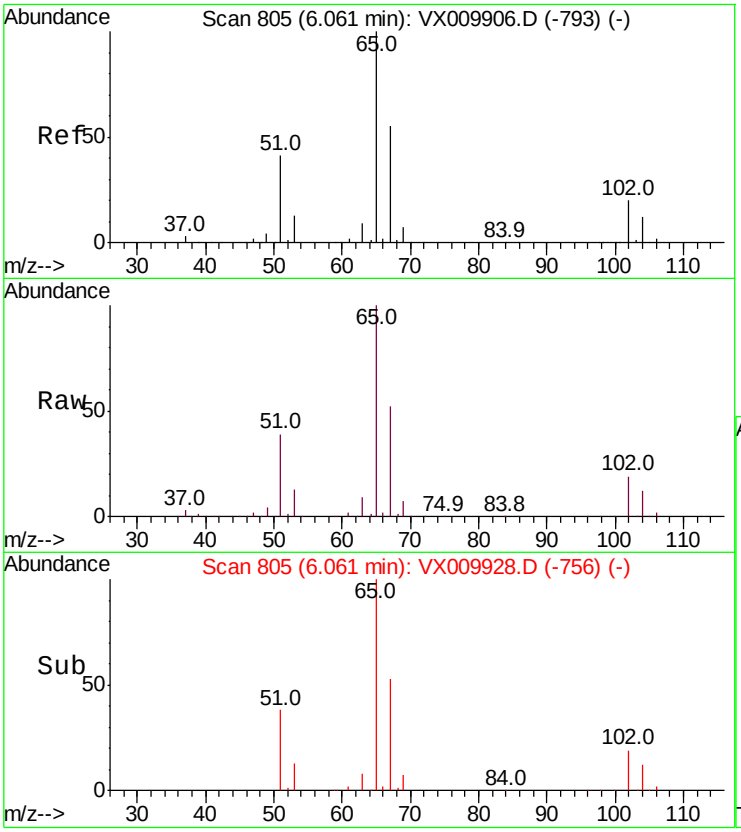



#32
1,1,1-Trichloroethane
Concen: 48.737 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion: 97 Resp: 141619

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.0 | 51.0 | 76.4 |
| 61 | 48.6 | 38.7 | 58.1 |

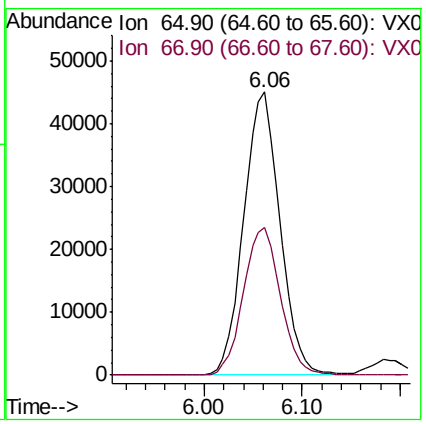





#33
1,2-Dichloroethane-d4
Concen: 46.950 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion: 65 Resp: 115607

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 53.6 | 0.0 | 108.4 |

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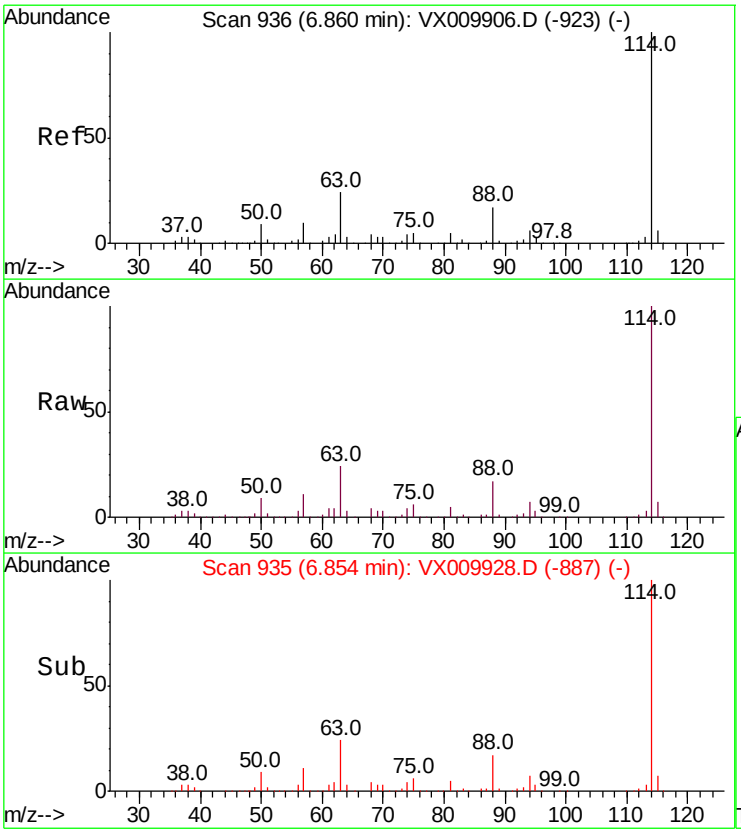
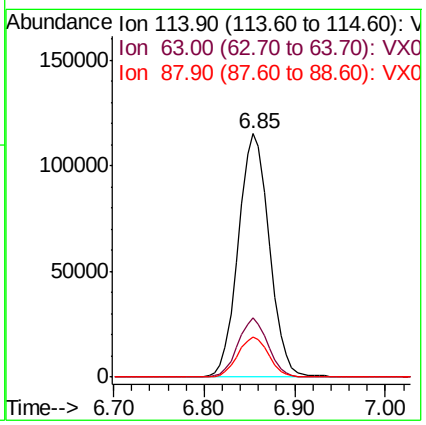
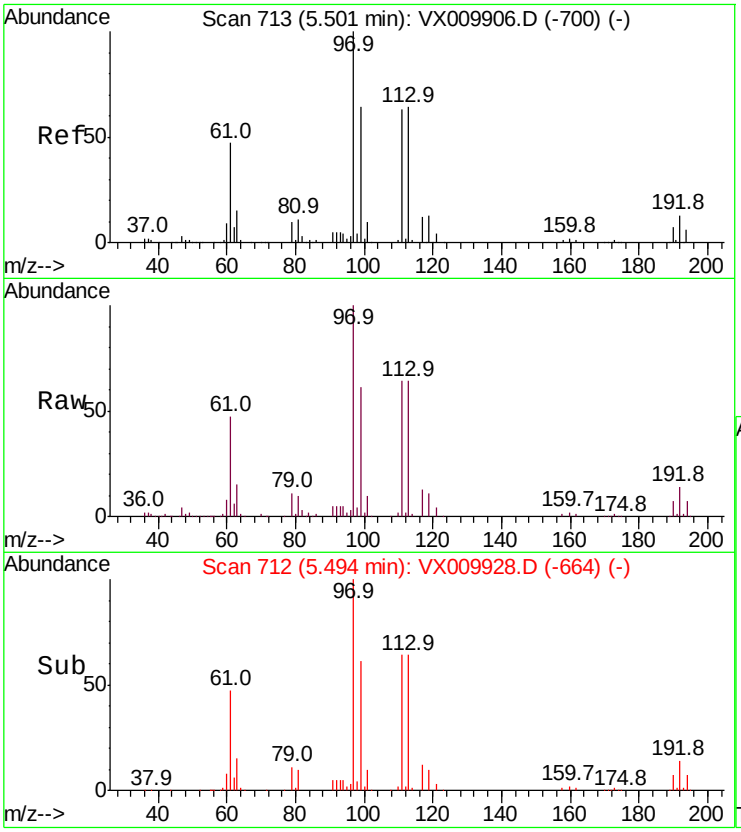



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 935
Delta R.T. -0.01 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion:114 Resp: 272671

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 24.3 | 0.0 | 47.4 |
| 88 | 16.7 | 0.0 | 33.0 |

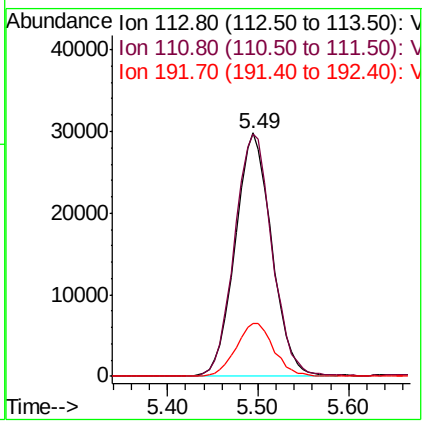





#35
Dibromofluoromethane
Concen: 48.481 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion:113 Resp: 83110

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.5 | 82.2 | 123.2 |
| 192 | 22.3 | 17.1 | 25.7 |




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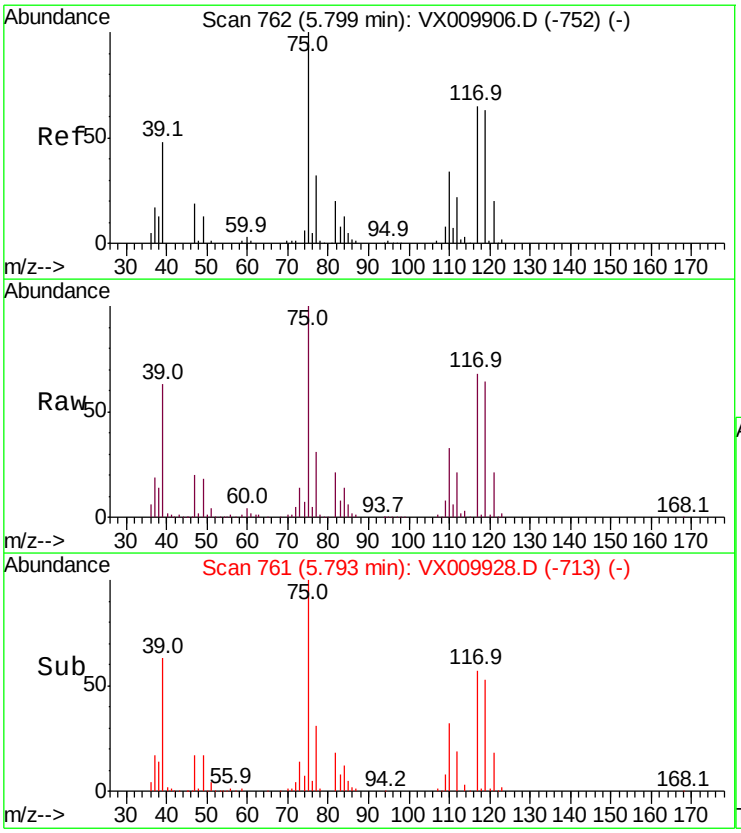
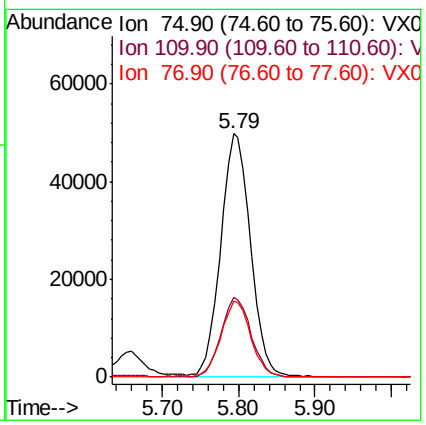
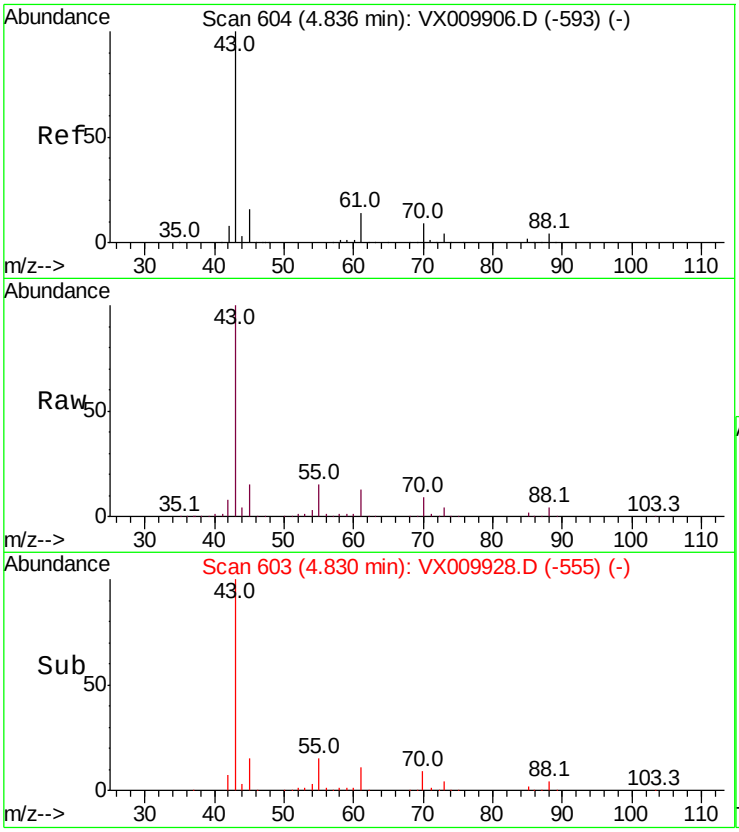



#36
1,1-Dichloropropene
Concen: 48.455 ug/l
RT: 5.79 min Scan# 761
Delta R.T. -0.01 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion: 75 Resp: 134053

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 33.2 | 16.7 | 50.1 |
| 77 | 31.3 | 25.0 | 37.4 |

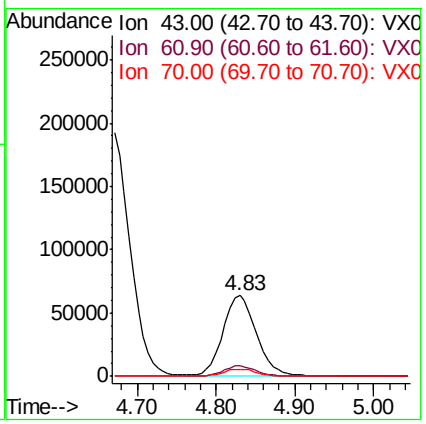





#37
Ethyl Acetate
Concen: 48.570 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.01 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion: 43 Resp: 187232

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.7 | 10.2 | 15.2 |
| 70 | 9.3 | 7.4 | 11.2 |




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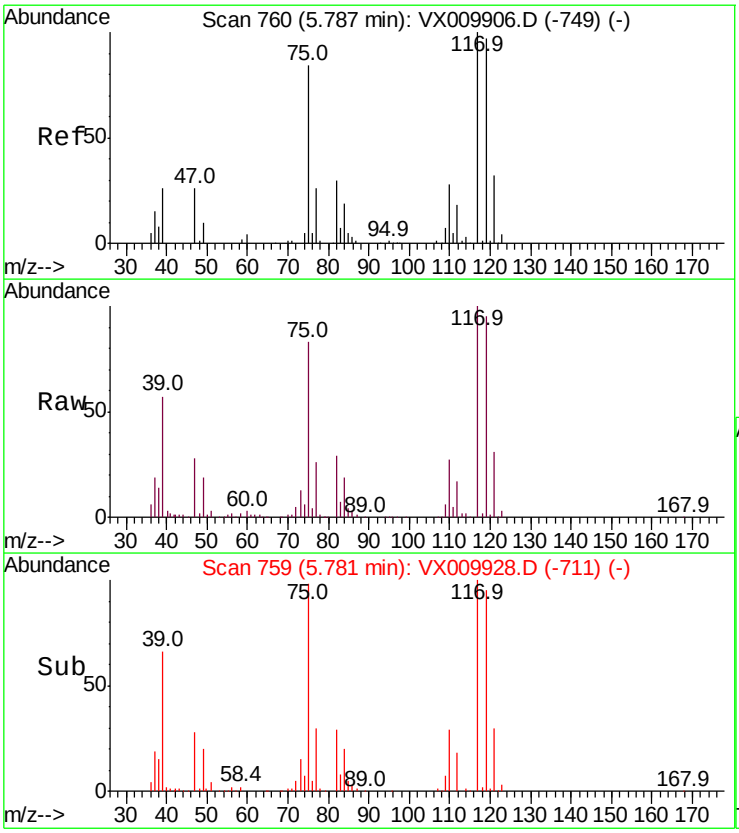
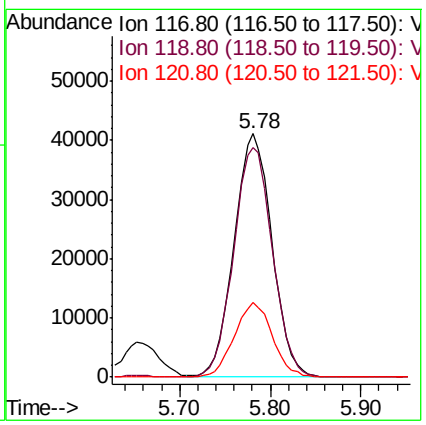
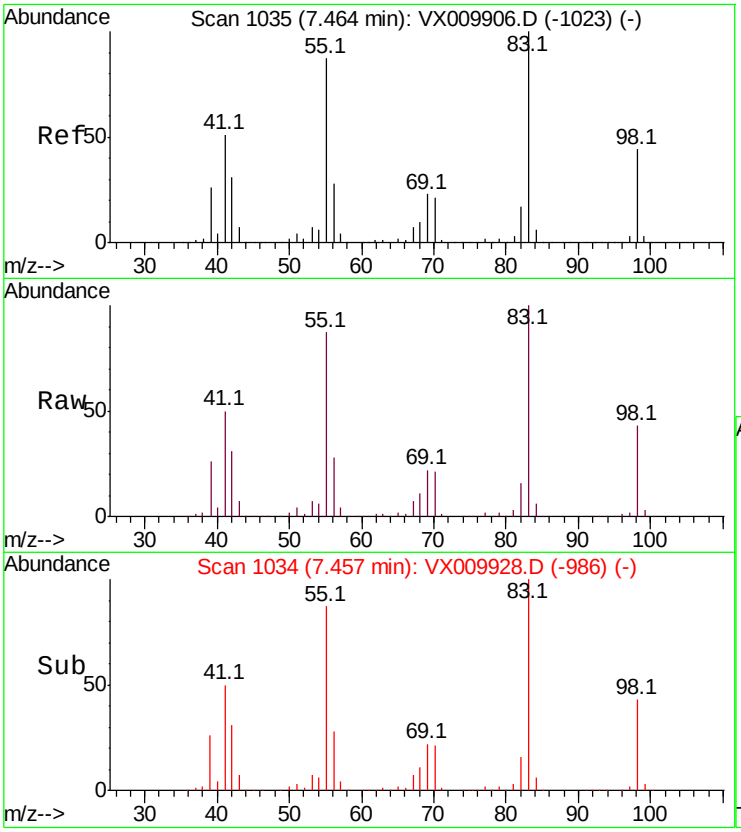



#38
Carbon Tetrachloride
Concen: 49.984 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion:117 Resp: 119496

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.5 | 77.3 | 115.9 |
| 121 | 30.5 | 25.4 | 38.0 |

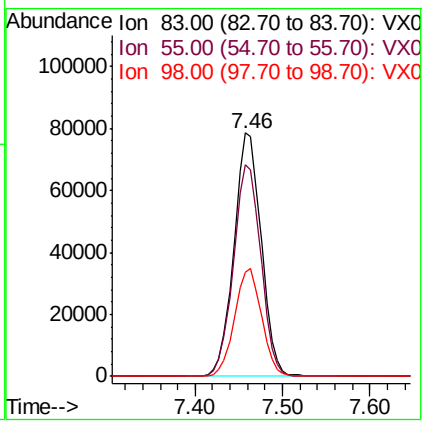





#39
Methylcyclohexane
Concen: 52.074 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion: 83 Resp: 170889

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 87.2 | 69.9 | 104.9 |
| 98 | 42.8 | 35.1 | 52.7 |




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

**Manual Integrations APPROVED**
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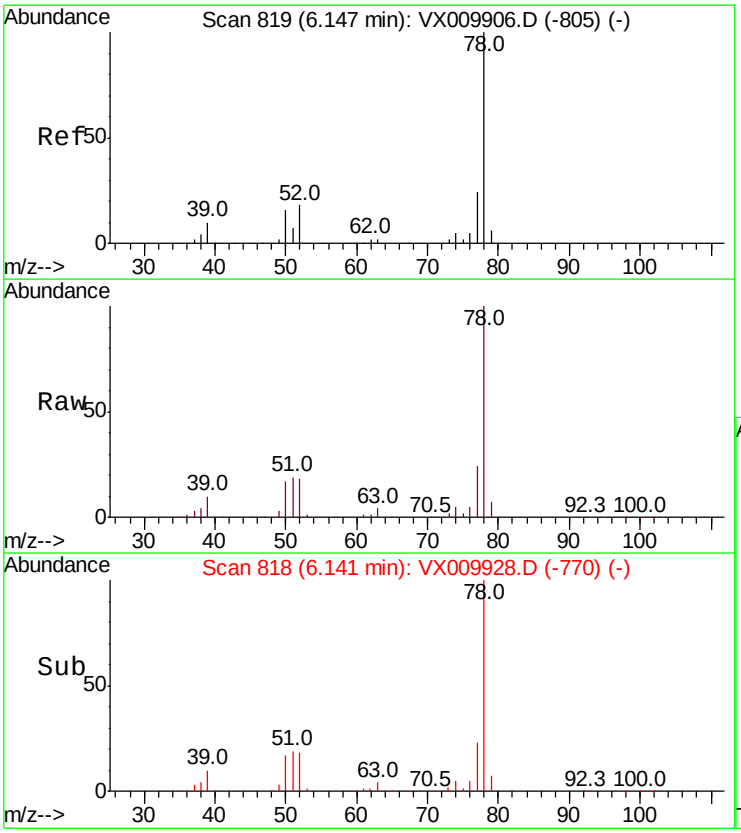
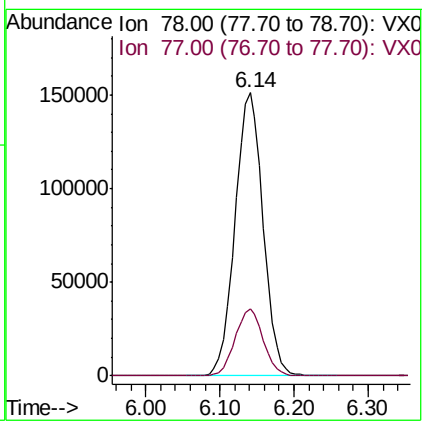
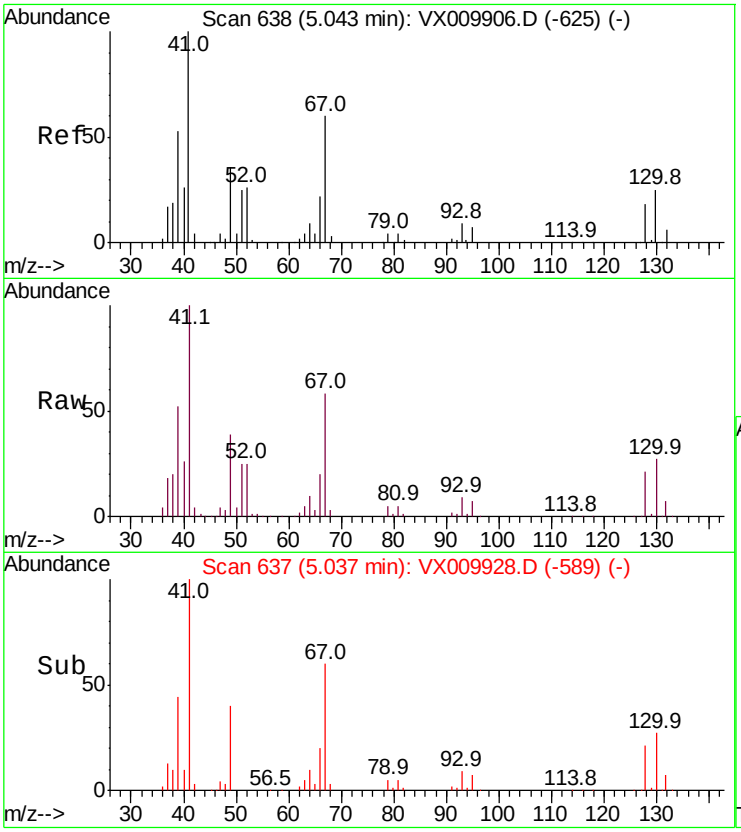



#40
Benzene
Concen: 48.618 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion: 78 Resp: 398999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.8 | 19.2 | 28.8 |

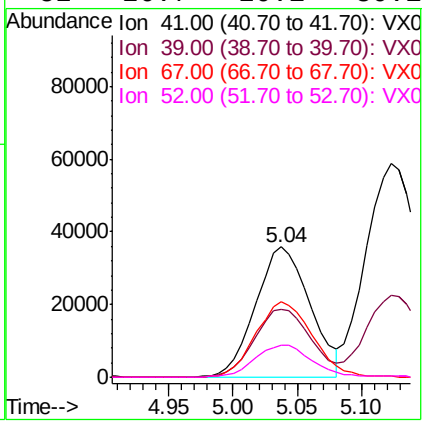





#41
Methacrylonitrile
Concen: 46.609 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion: 41 Resp: 104987

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 54.6 | 42.2 | 63.4 |
| 67 | 61.0 | 48.9 | 73.3 |
| 52 | 26.7 | 20.1 | 30.1 |




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

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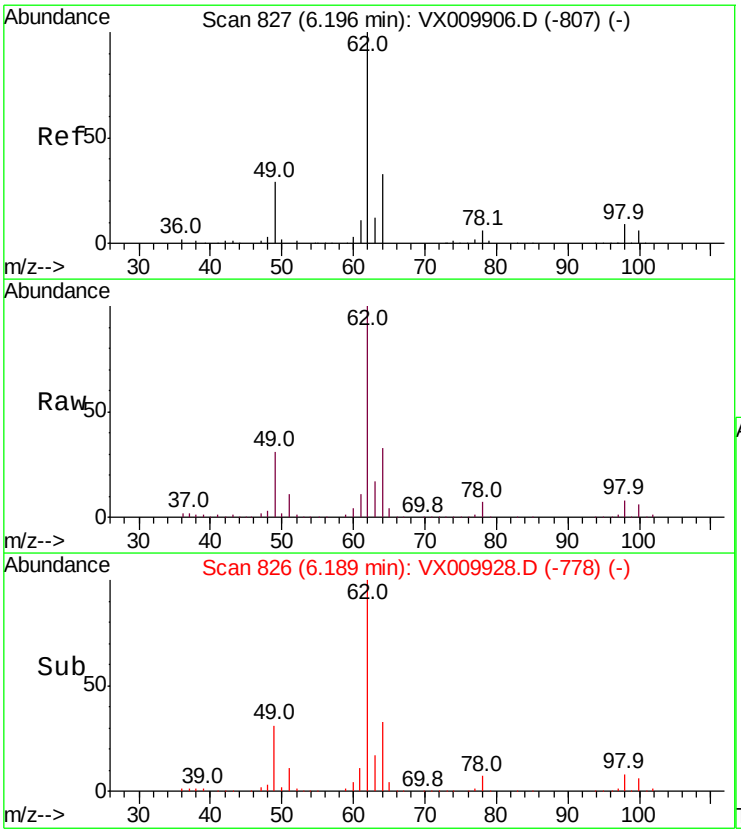
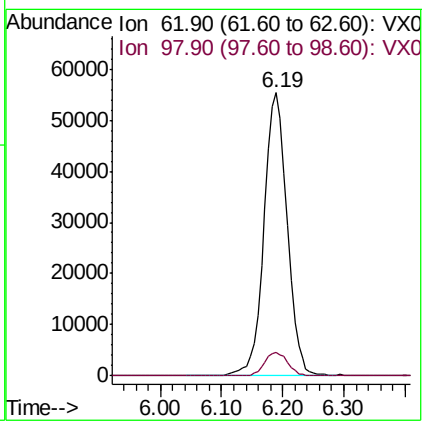
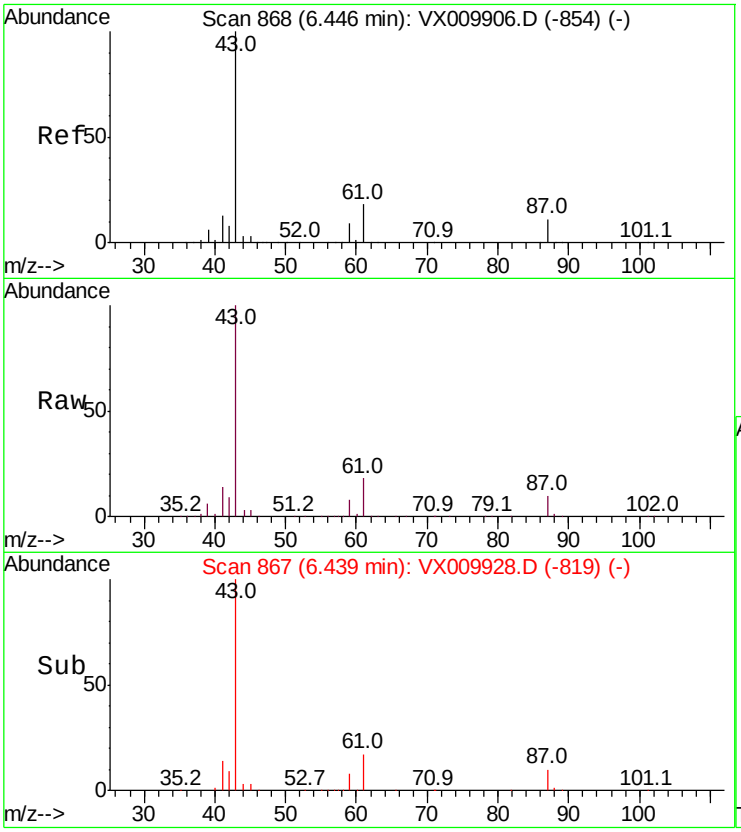



#42
1,2-Dichloroethane
Concen: 47.998 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion: 62 Resp: 145628

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.4 | 0.0 | 17.2 |

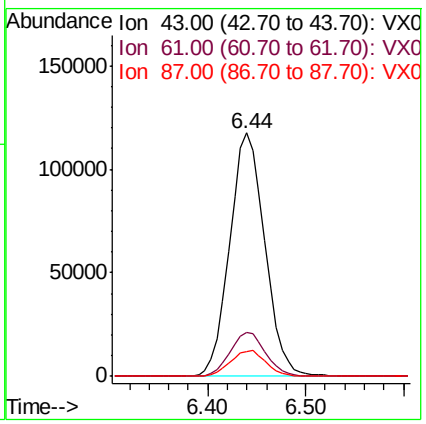





#43
Isopropyl Acetate
Concen: 46.926 ug/l
RT: 6.44 min Scan# 867
Delta R.T. -0.01 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion: 43 Resp: 291881

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.5 | 14.6 | 21.8 |
| 87 | 10.9 | 8.7 | 13.1 |




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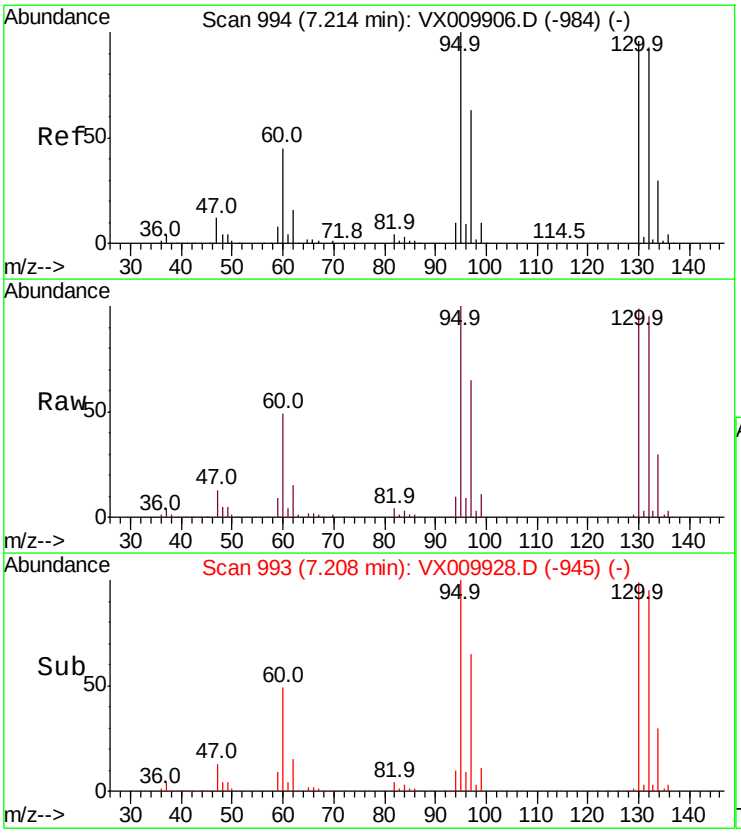
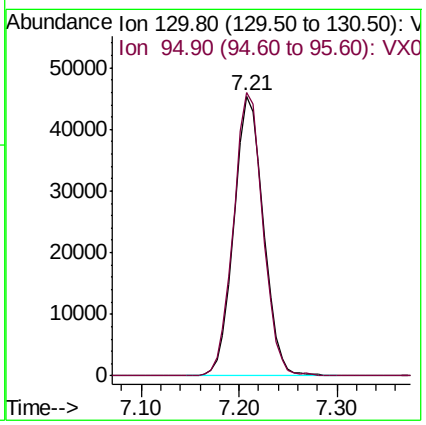
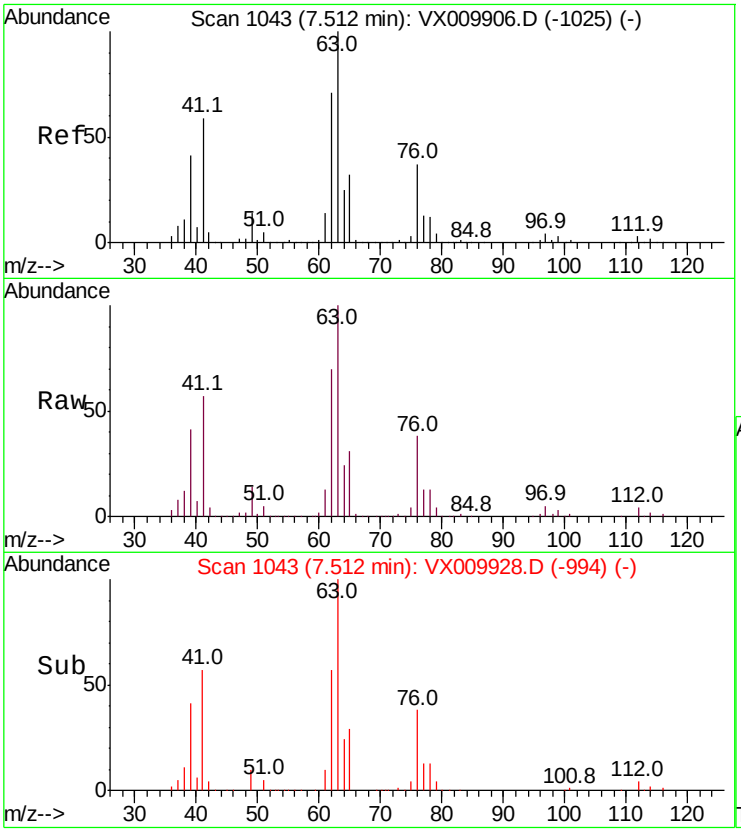



#44
Trichloroethene
Concen: 47.848 ug/l
RT: 7.21 min Scan# 993
Delta R.T. -0.01 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion:130 Resp: 95384

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 101.1 | 0.0 | 207.4 |

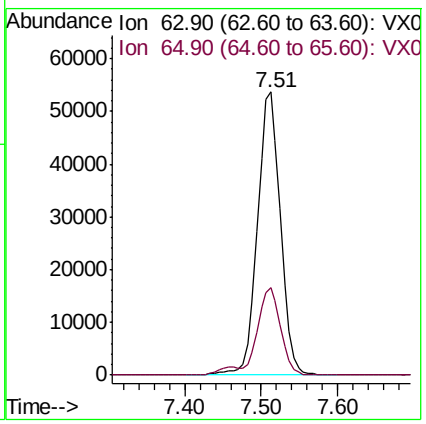





#45
1,2-Dichloropropane
Concen: 47.768 ug/l
RT: 7.51 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion: 63 Resp: 112850

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.7 | 25.7 | 38.5 |

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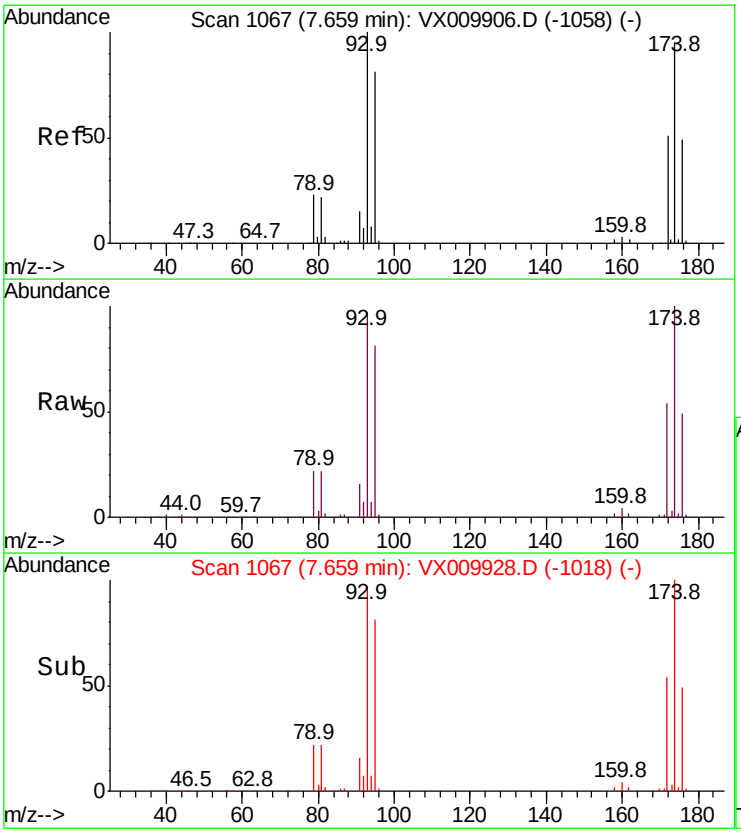
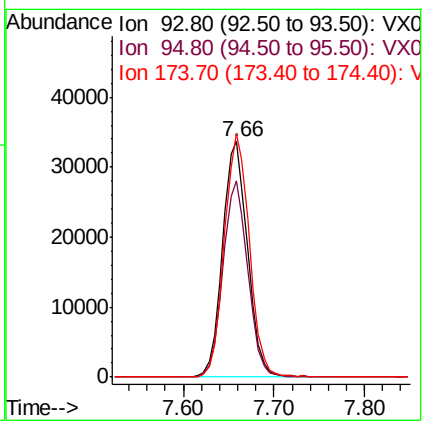
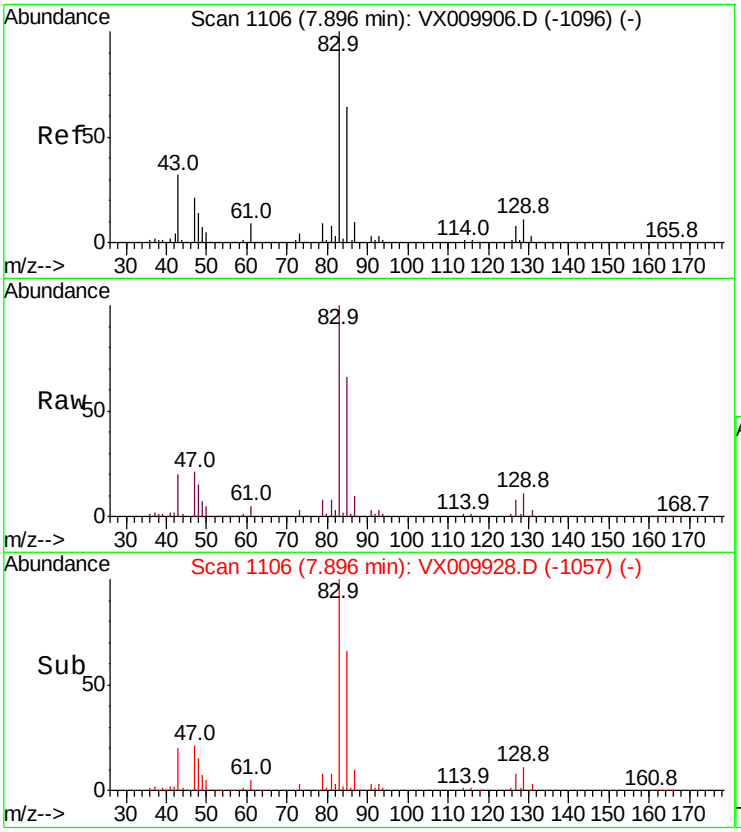



#46
Dibromomethane
Concen: 46.340 ug/l
RT: 7.66 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion: 93 Resp: 64441

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.7 | 66.8 | 100.2 |
| 174 | 103.2 | 81.9 | 122.9 |

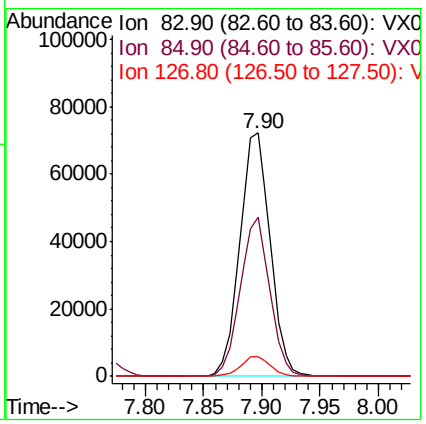





#47
Bromodichloromethane
Concen: 49.827 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion: 83 Resp: 131763

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.5 | 51.4 | 77.2 |
| 127 | 8.0 | 6.4 | 9.6 |




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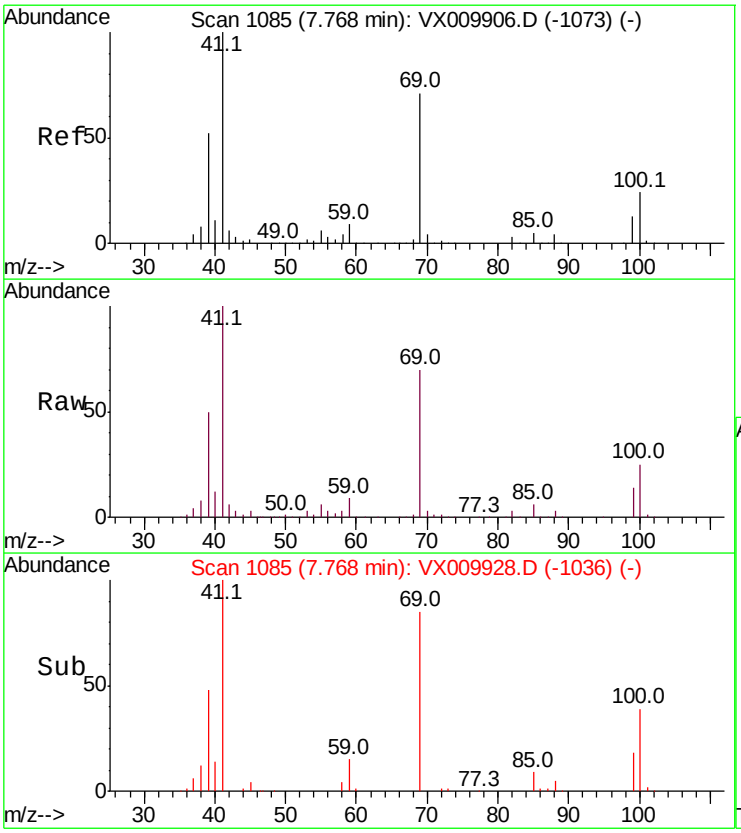
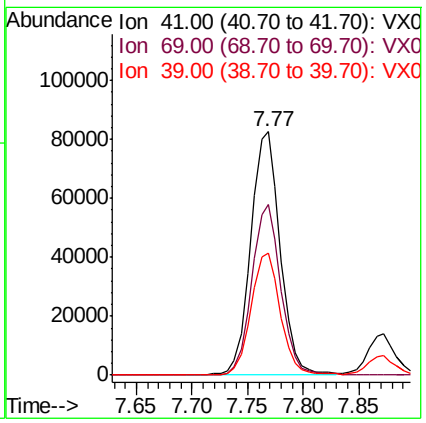
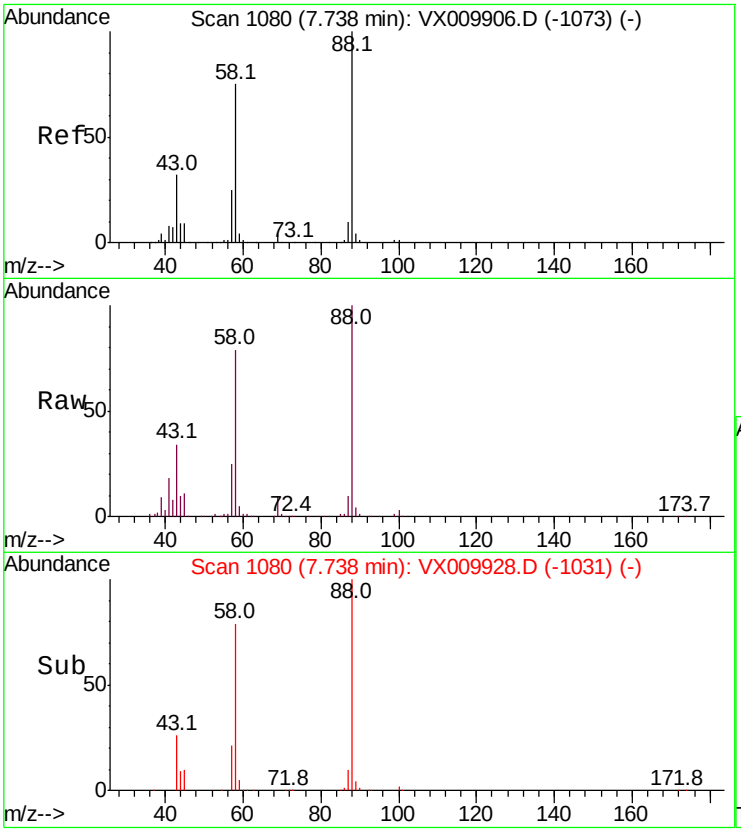



#48
Methyl methacrylate
Concen: 49.156 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. -0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion: 41 Resp: 151356

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 70.0 | 56.4 | 84.6 |
| 39 | 50.1 | 40.6 | 60.8 |

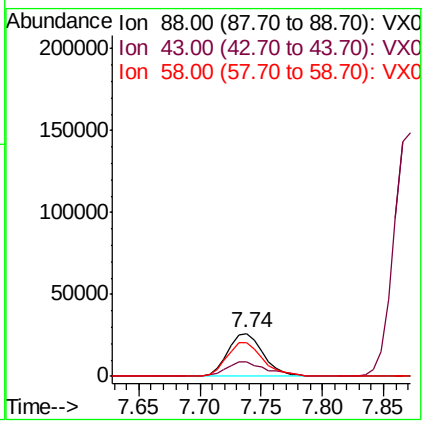





#49
1,4-Dioxane
Concen: 914.091 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion: 88 Resp: 52354

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 40.8 | 30.2 | 45.4 |
| 58 | 81.9 | 64.0 | 96.0 |




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

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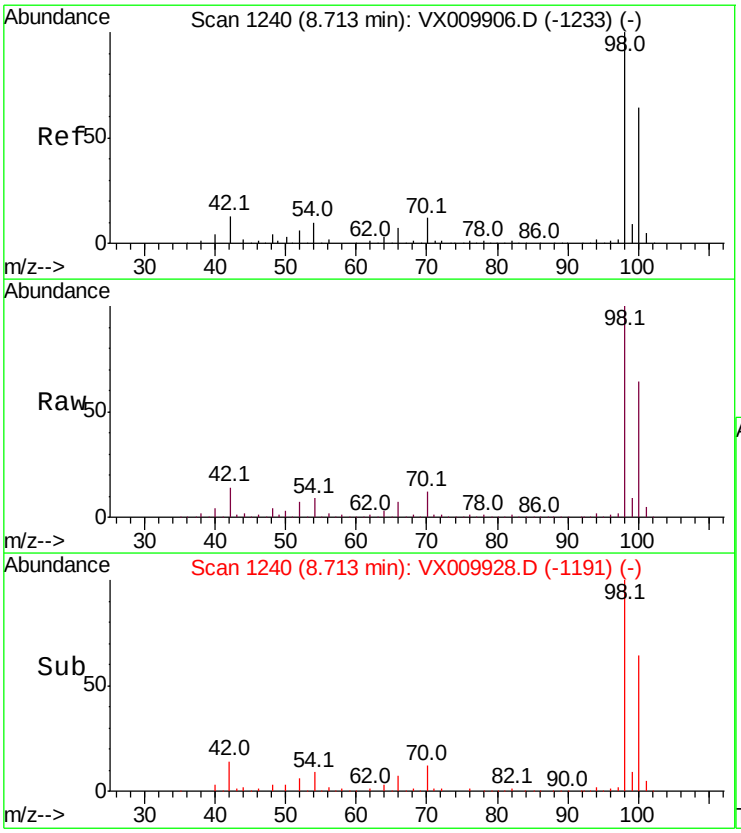
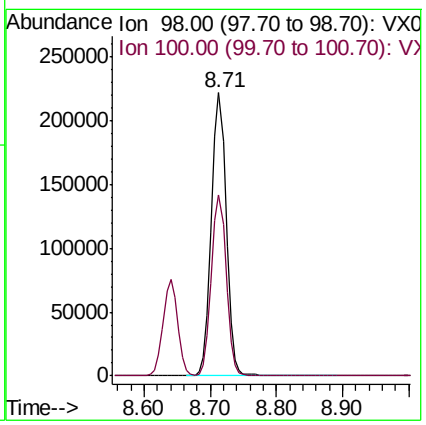
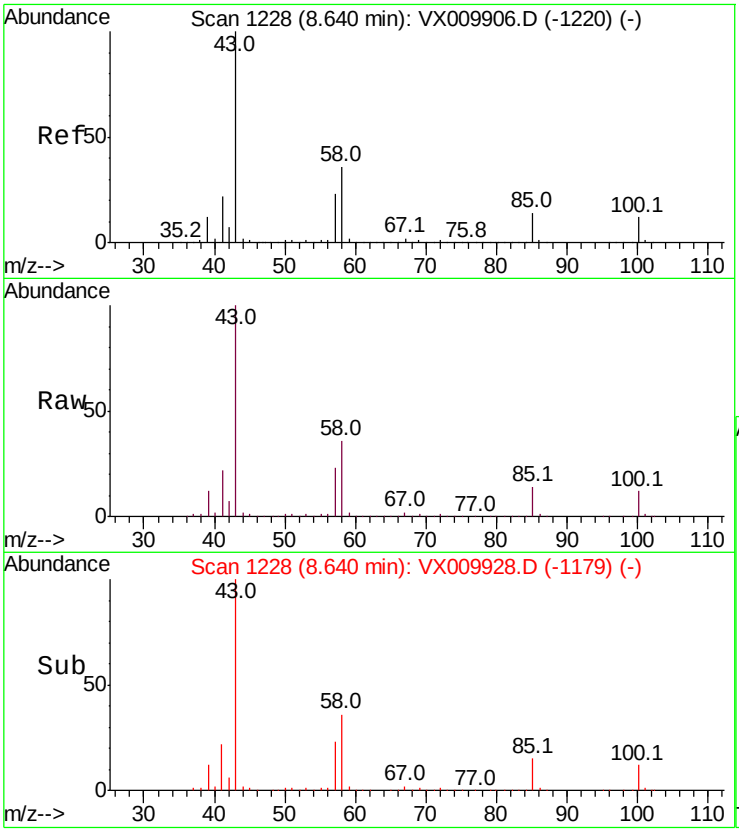



#50
Toluene-d8
Concen: 49.550 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion: 98 Resp: 344937

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.1 | 51.5 | 77.3 |

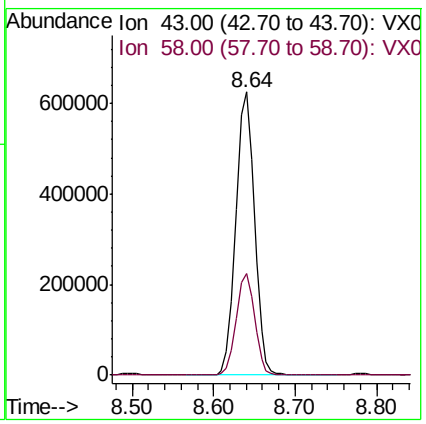





#51
4-Methyl-2-Pentanone
Concen: 241.757 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion: 43 Resp: 978194

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 35.7 | 28.8 | 43.2 |




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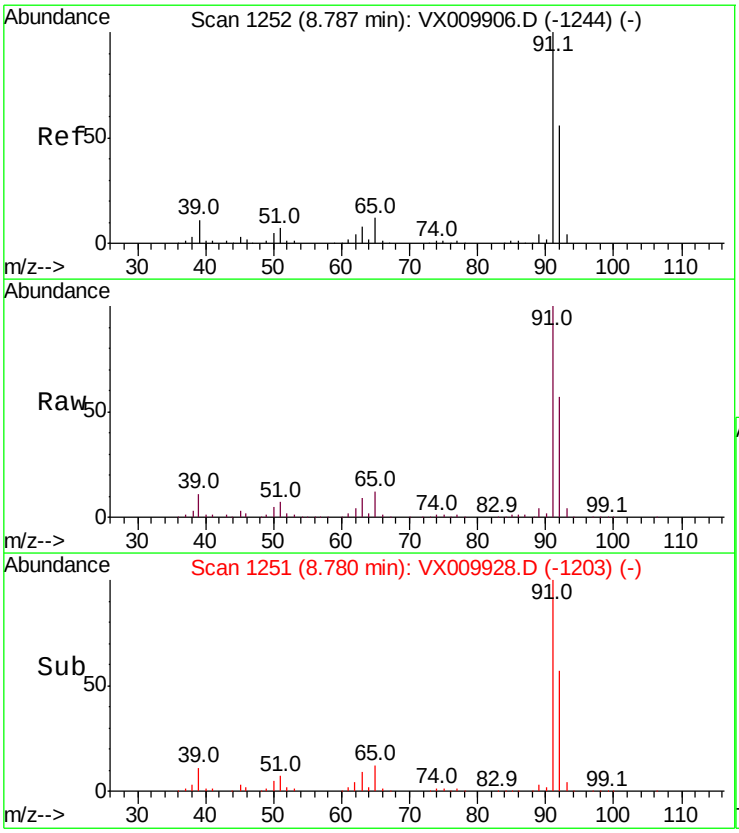
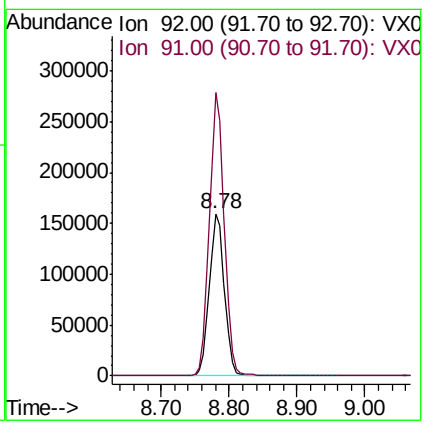
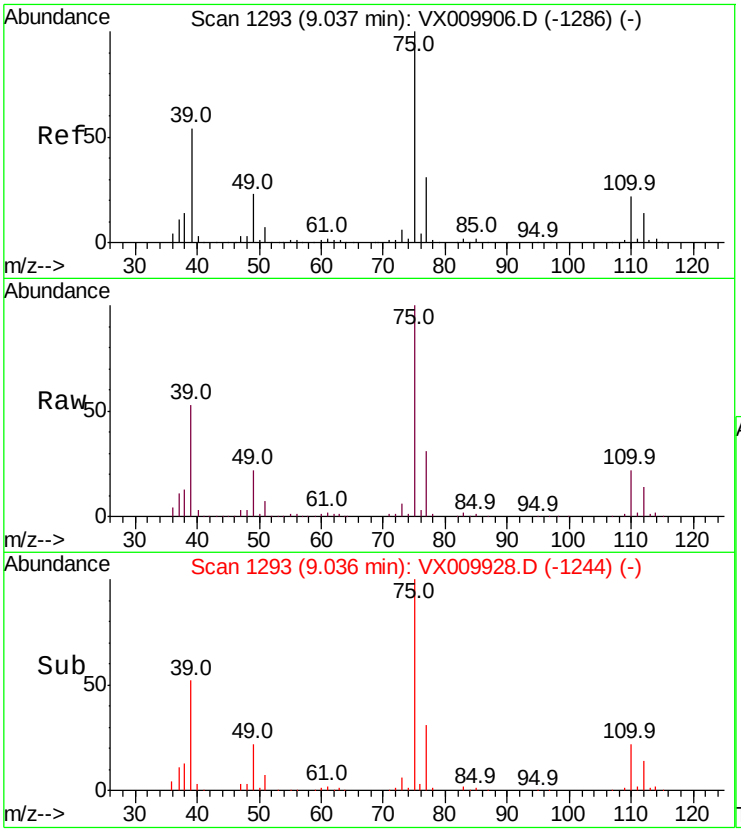



#52
Toluene
Concen: 49.387 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion: 92 Resp: 246094

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 172.4 | 139.9 | 209.9 |

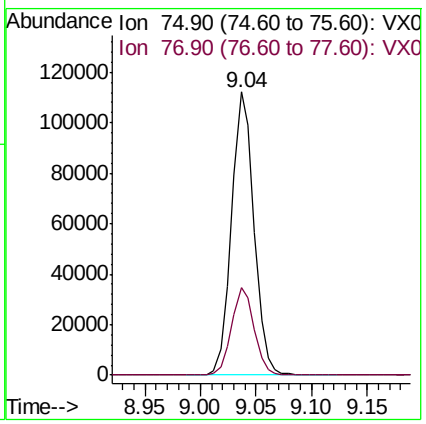





#53
t-1,3-Dichloropropene
Concen: 49.357 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion: 75 Resp: 156533

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.1 | 24.6 | 36.8 |




**Instrument :**
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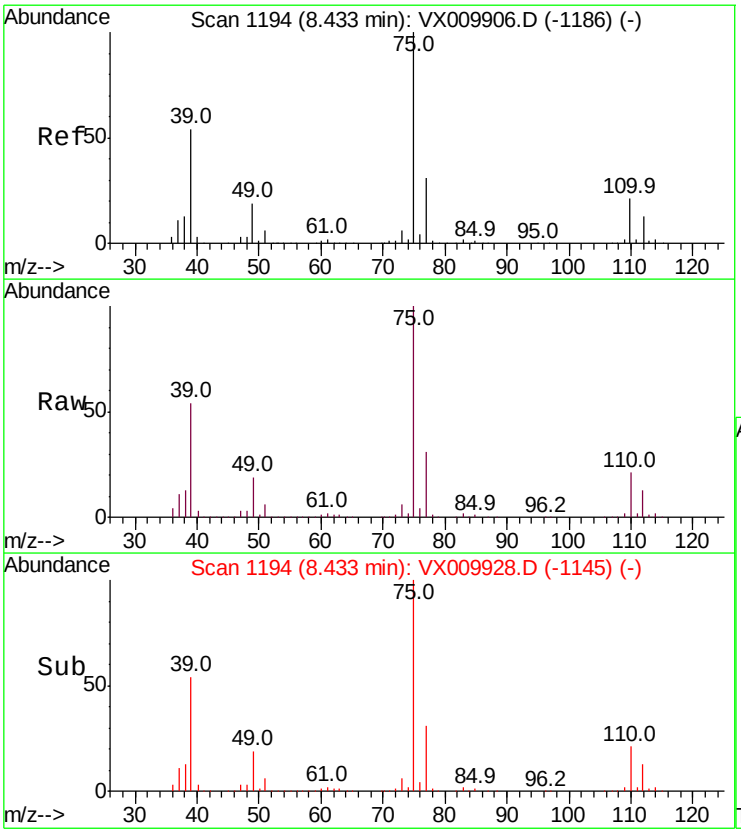
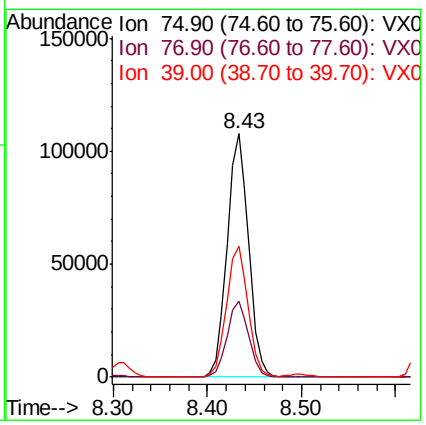
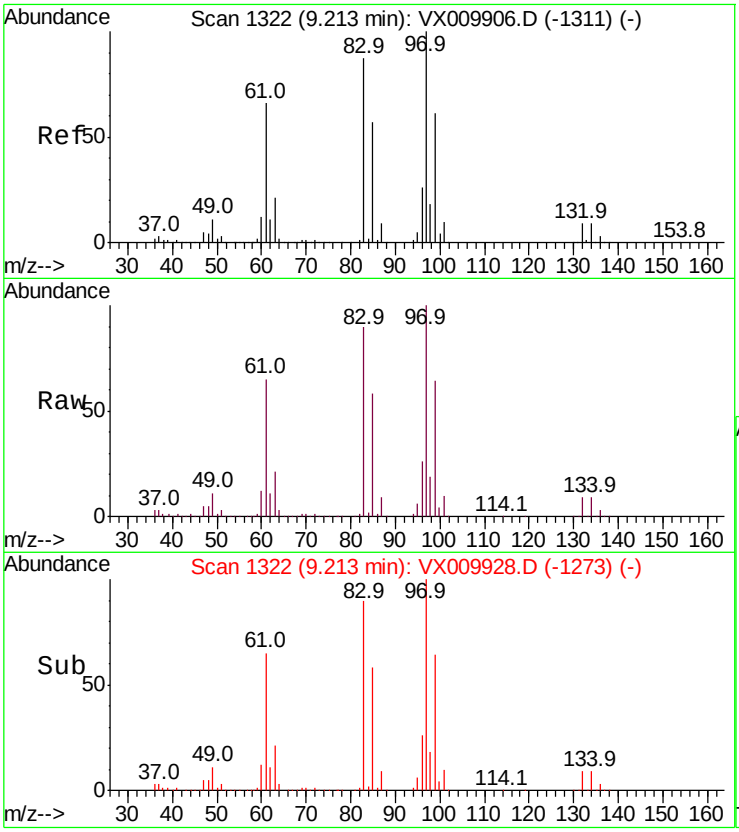



#54
cis-1,3-Dichloropropene
Concen: 49.215 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion: 75 Resp: 170061

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.0 | 24.8 | 37.2 |
| 39 | 53.6 | 43.4 | 65.0 |

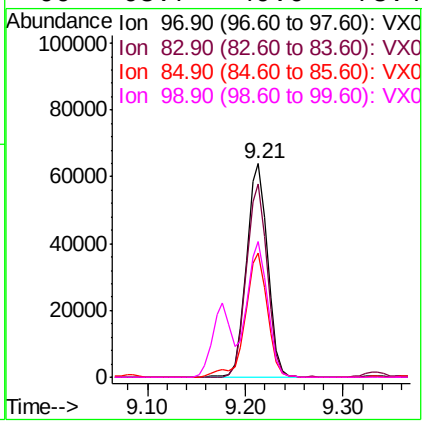





#55
1,1,2-Trichloroethane
Concen: 47.702 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion: 97 Resp: 95670

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 90.4 | 69.8 | 104.8 |
| 85 | 58.2 | 45.3 | 67.9 |
| 99 | 63.7 | 49.0 | 73.4 |




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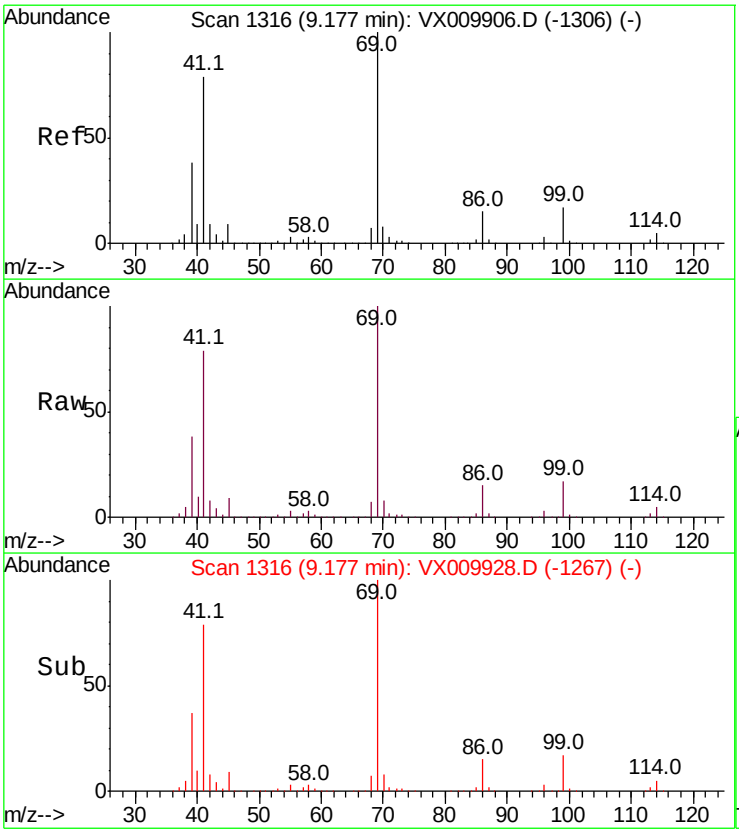
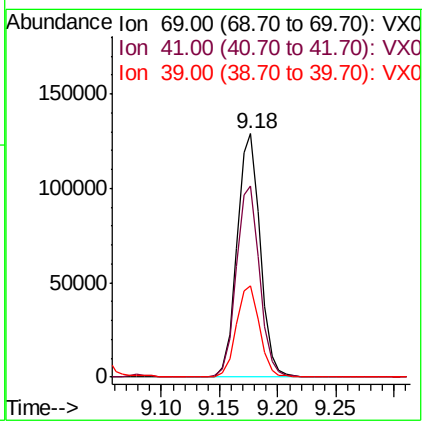
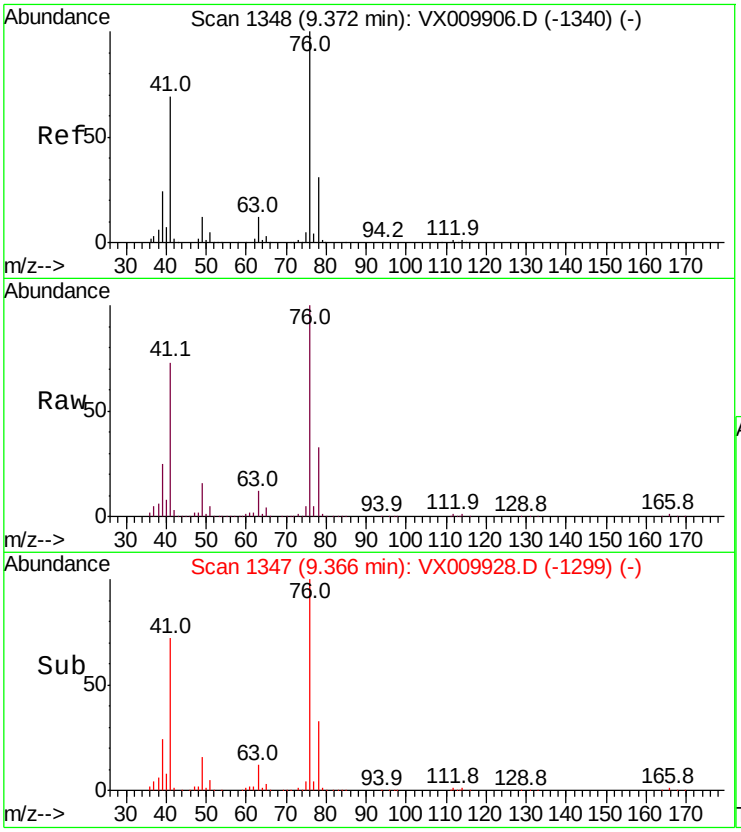



#56
Ethyl methacrylate
Concen: 49.950 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion: 69 Resp: 178346

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 79.1 | 62.7 | 94.1 |
| 39 | 37.9 | 29.5 | 44.3 |

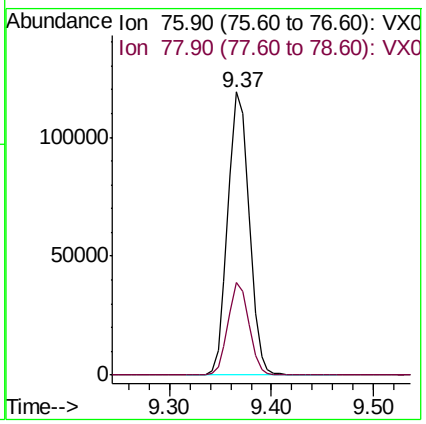





#57
1,3-Dichloropropane
Concen: 47.902 ug/l
RT: 9.37 min Scan# 1347
Delta R.T. -0.01 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion: 76 Resp: 172531

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.0 | 25.4 | 38.0 |




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

**Manual Integrations APPROVED**
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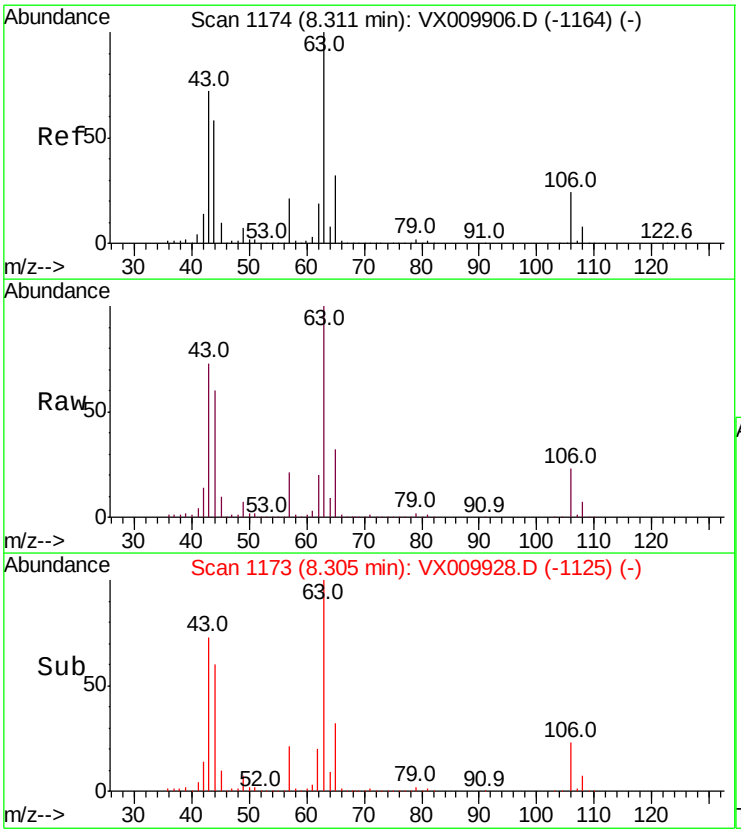
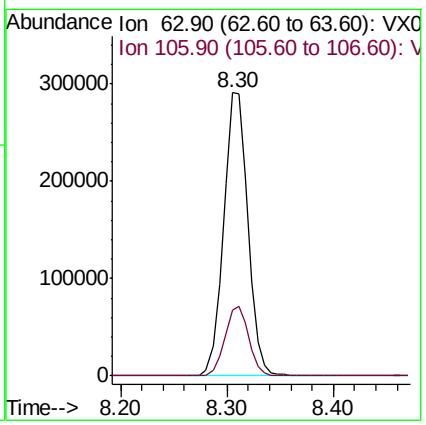
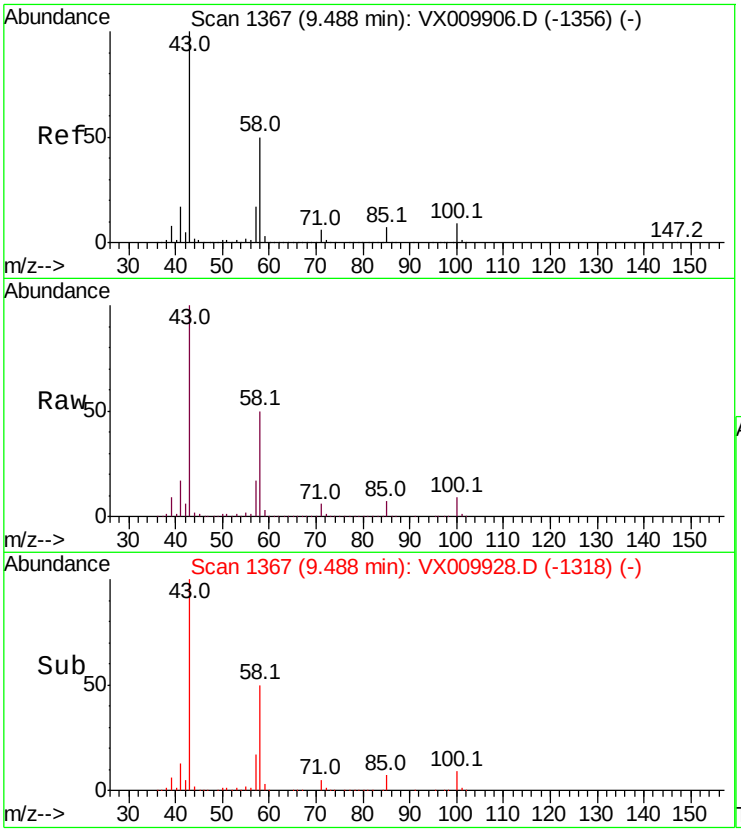



#58
2-Chloroethyl Vinyl ether
Concen: 248.144 ug/l
RT: 8.30 min Scan# 1173
Delta R.T. -0.01 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion: 63 Resp: 464598

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 24.2 | 19.4 | 29.2 |

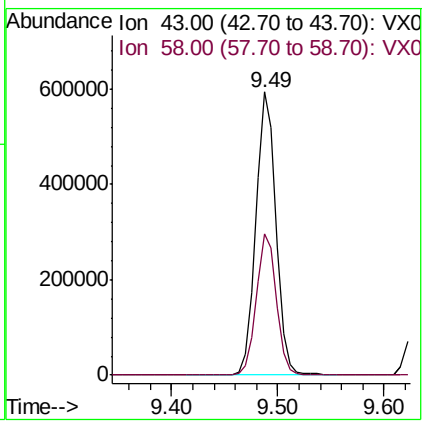





#59
2-Hexanone
Concen: 252.376 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion: 43 Resp: 786192

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 50.0 | 25.1 | 75.3 |




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

**Manual Integrations APPROVED**
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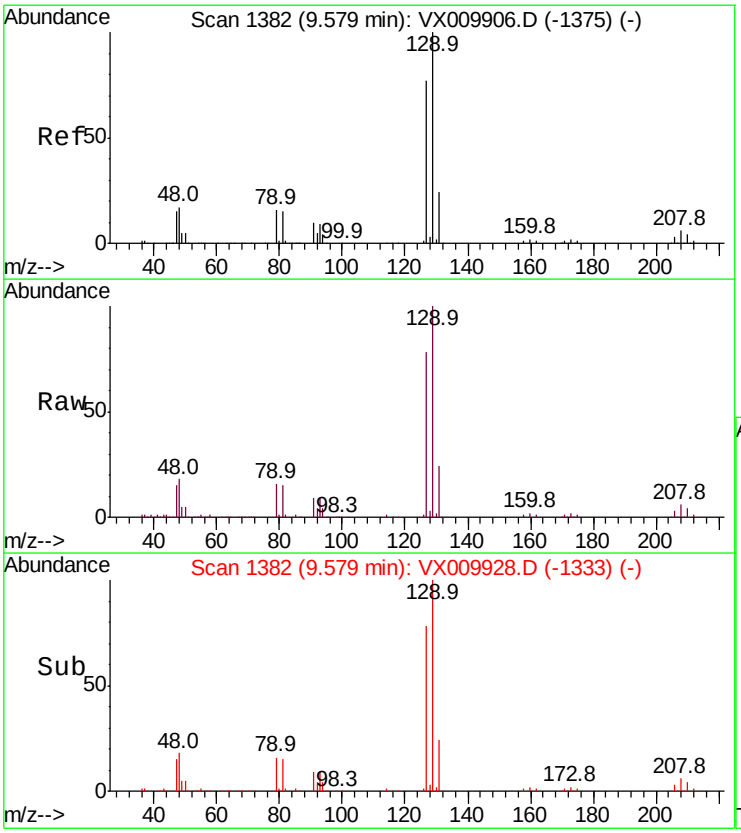
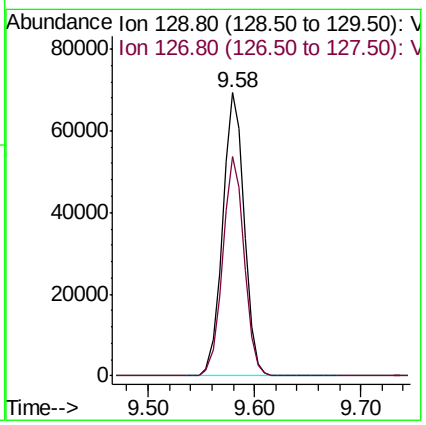
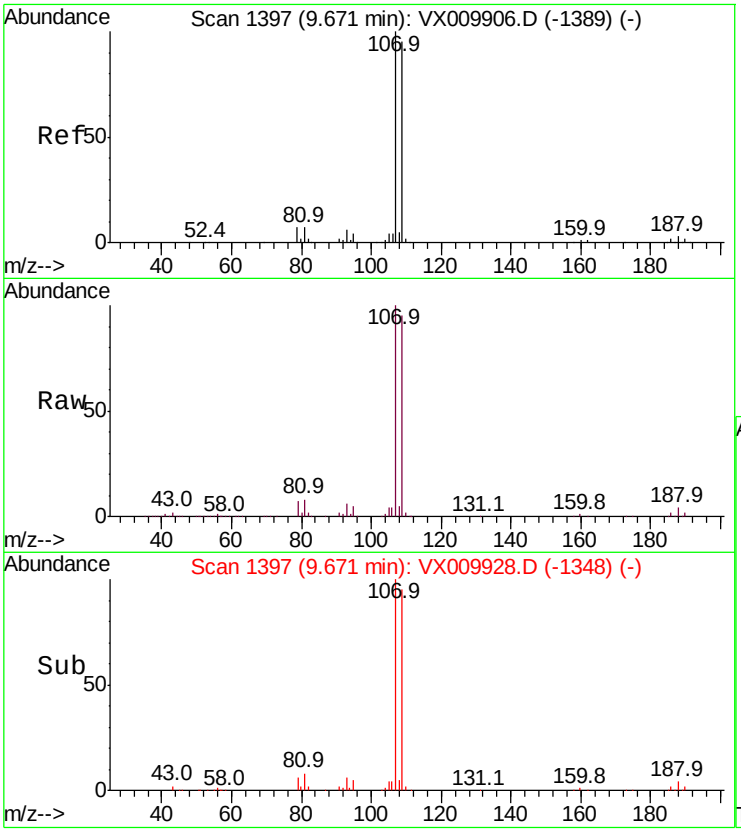



#60
Dibromochloromethane
Concen: 49.858 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion:129 Resp: 98363

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.1 | 38.5 | 115.5 |

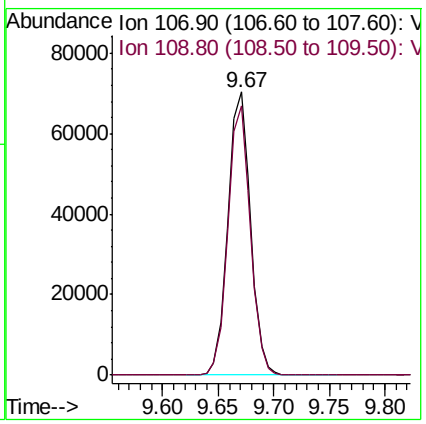





#61
1,2-Dibromoethane
Concen: 47.954 ug/l
RT: 9.67 min Scan# 1397
Delta R.T. -0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion:107 Resp: 98805

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 94.6 | 75.4 | 113.2 |




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

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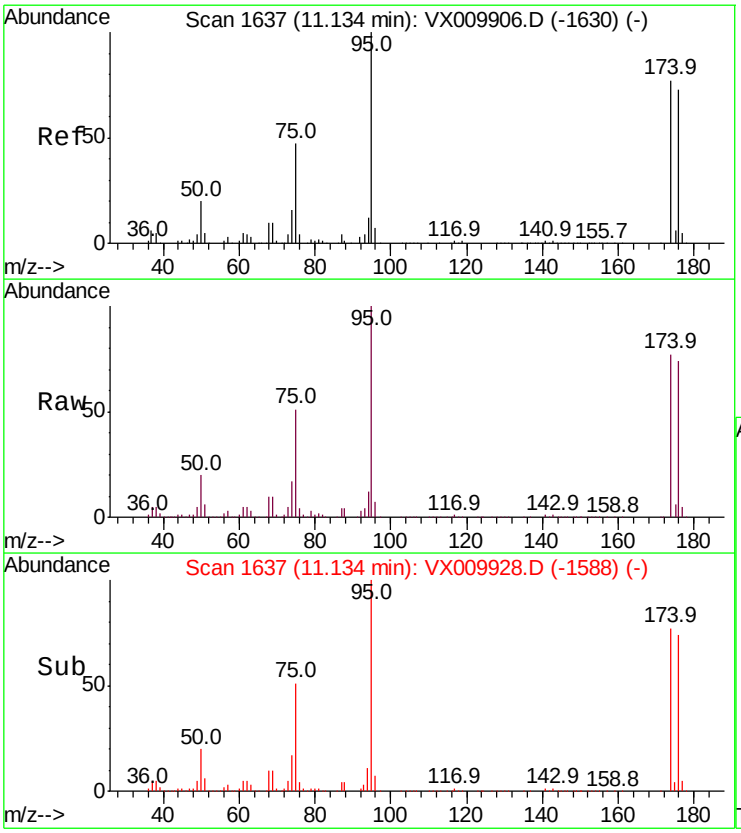
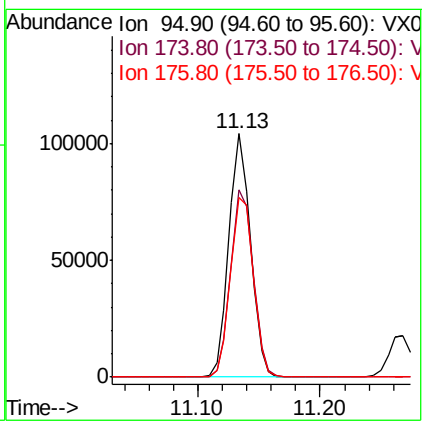
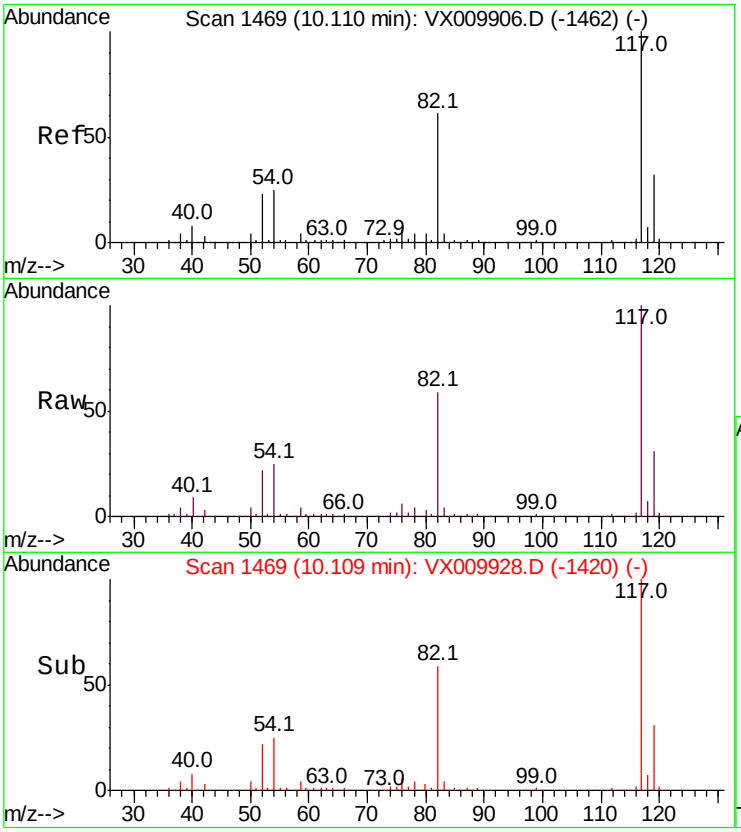



#62
4-Bromofluorobenzene
Concen: 50.586 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion: 95 Resp: 126484

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 80.3 | 0.0 | 160.4 |
| 176 | 78.9 | 0.0 | 154.6 |

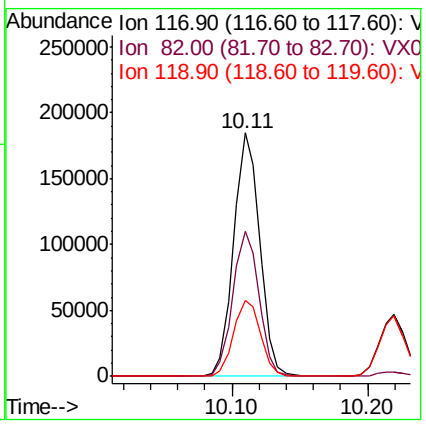





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion:117 Resp: 246865

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 59.3 | 49.2 | 73.8 |
| 119 | 31.4 | 25.2 | 37.8 |




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

**Manual Integrations APPROVED**
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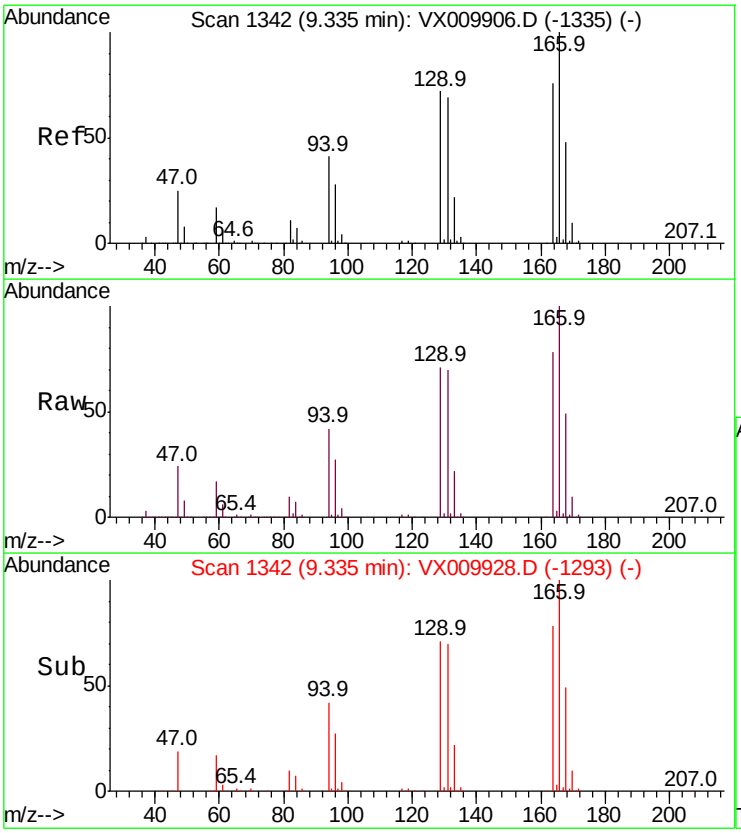
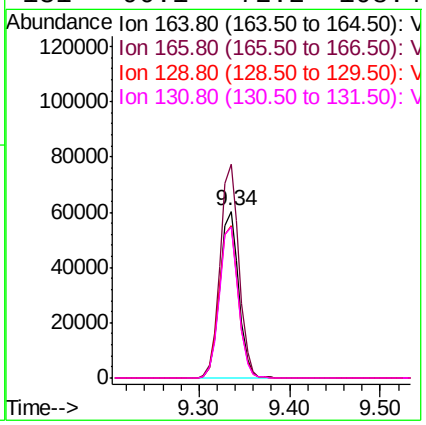
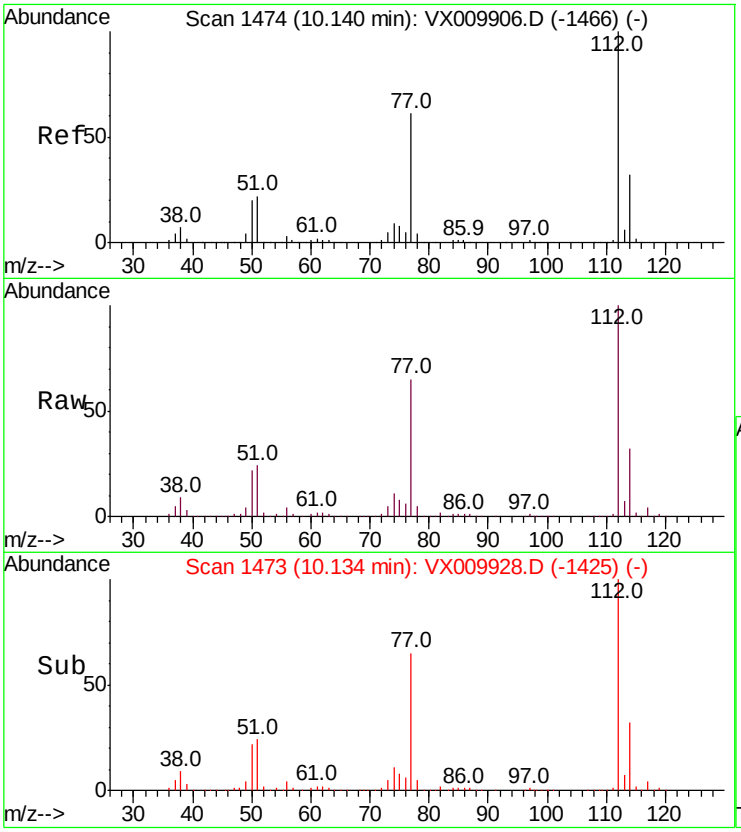



#64
Tetrachloroethene
Concen: 50.891 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion:164 Resp: 87754

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 128.0 | 105.0 | 157.4 |
| 129 | 91.3 | 75.1 | 112.7 |
| 131 | 90.1 | 72.2 | 108.4 |

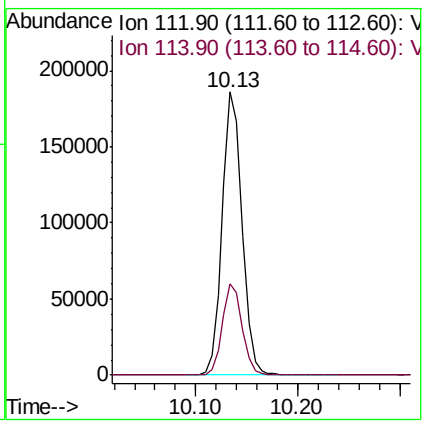





#65
Chlorobenzene
Concen: 48.555 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion:112 Resp: 250938

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.2 | 25.8 | 38.8 |




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

**Manual Integrations APPROVED**
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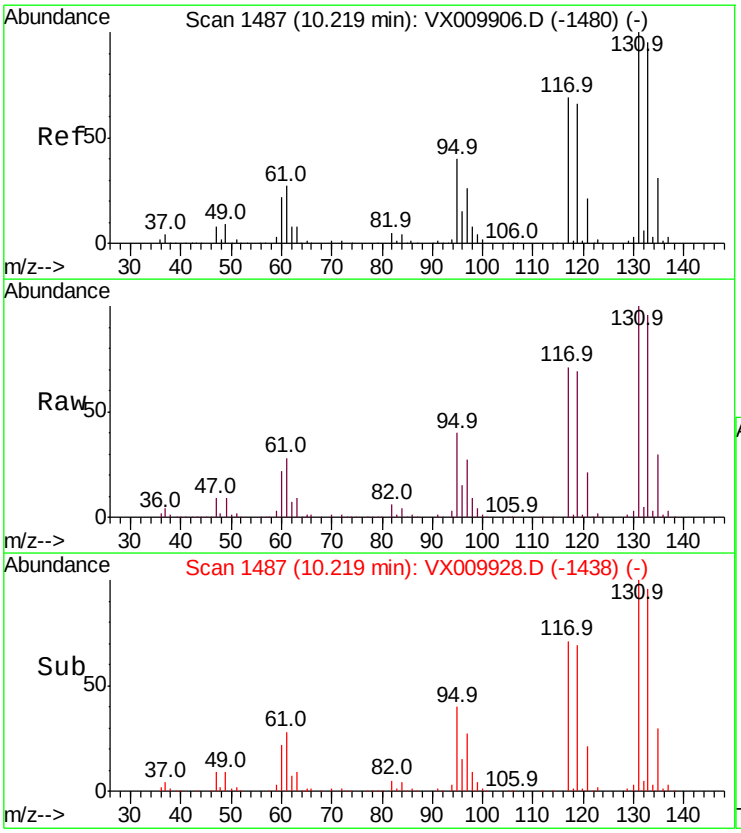
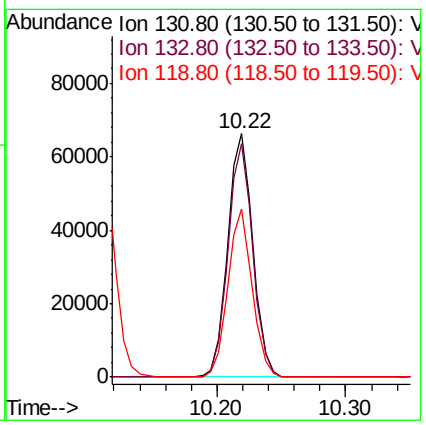
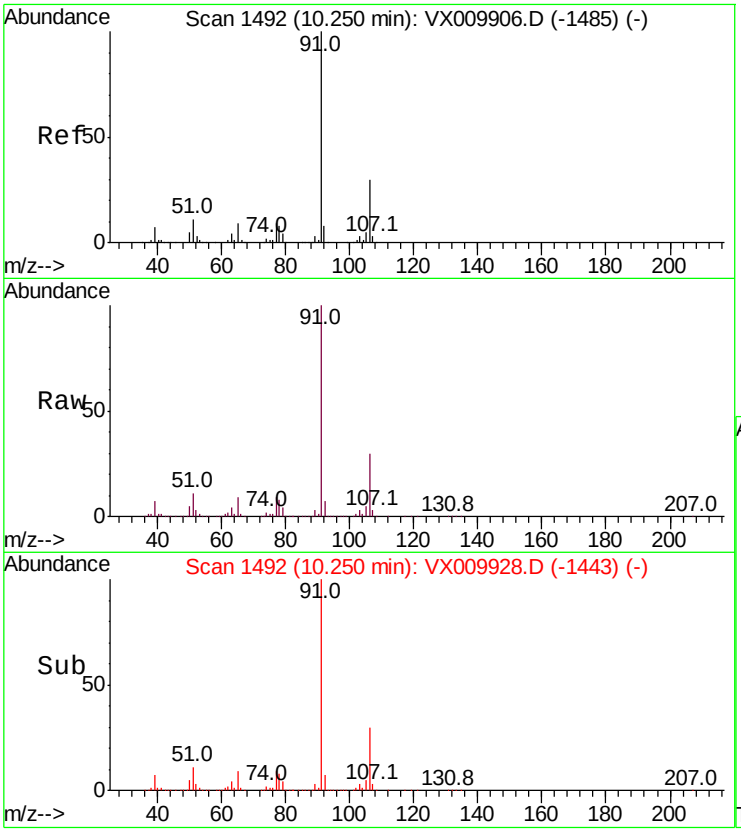



#66
1,1,1,2-Tetrachloroethane
Concen: 50.431 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion:131 Resp: 90399

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.6 | 47.5 | 142.6 |
| 119 | 66.9 | 33.4 | 100.1 |

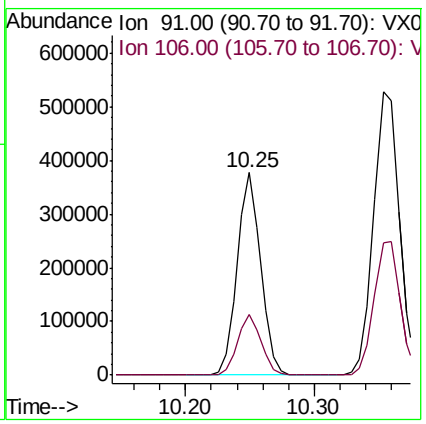





#67
Ethyl Benzene
Concen: 51.441 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion: 91 Resp: 477347

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.7 | 23.9 | 35.9 |




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

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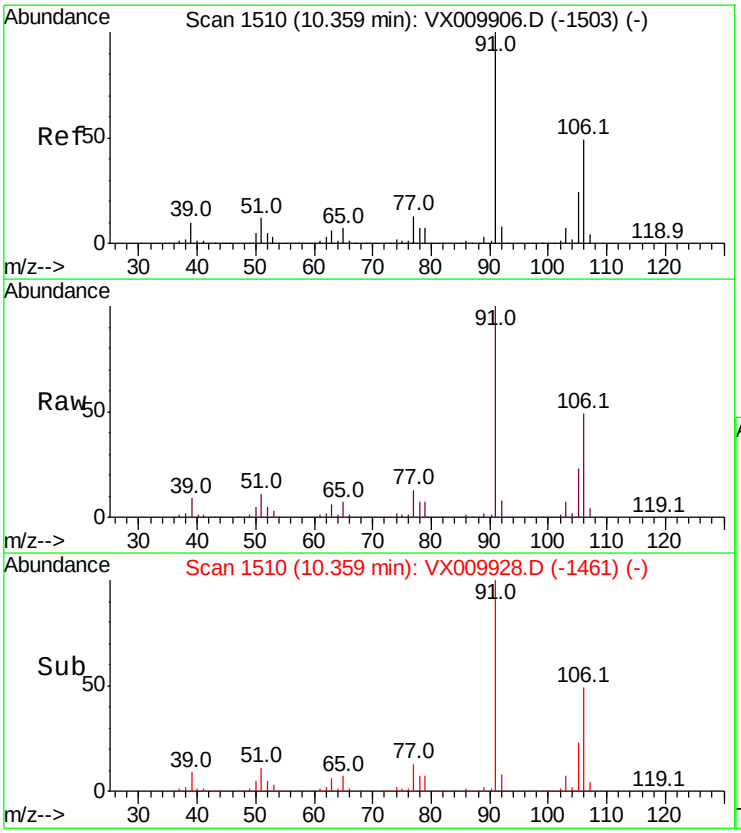
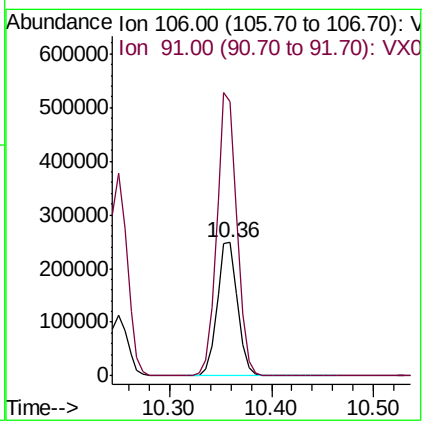
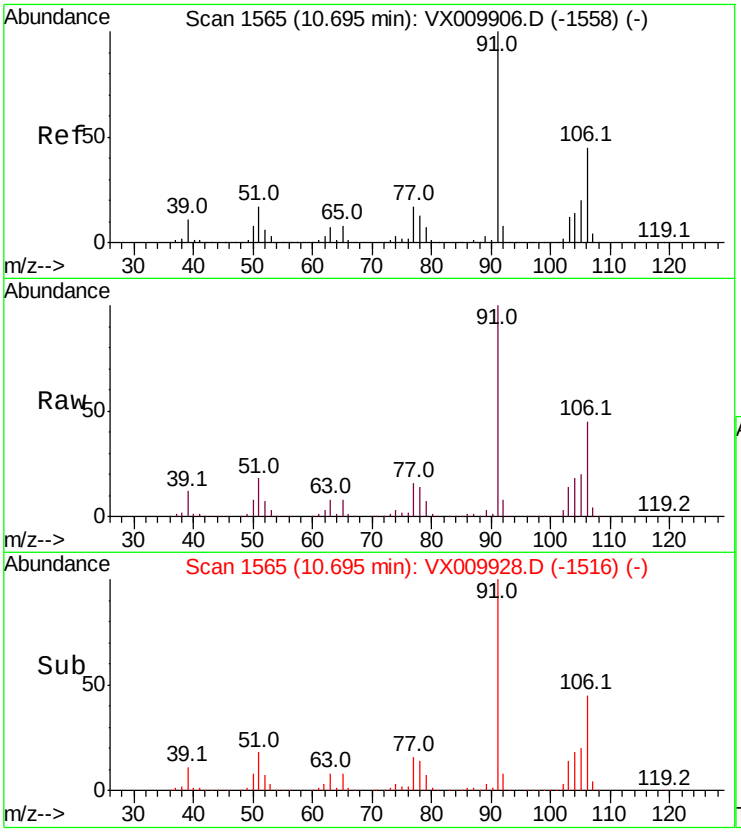



#68
m/p-Xylenes
Concen: 101.313 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion:106 Resp: 347318

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 209.3 | 167.3 | 250.9 |

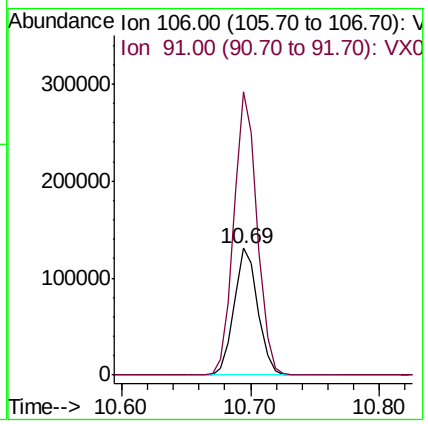





#69
o-Xylene
Concen: 50.755 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion:106 Resp: 166871

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 220.3 | 110.4 | 331.2 |




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

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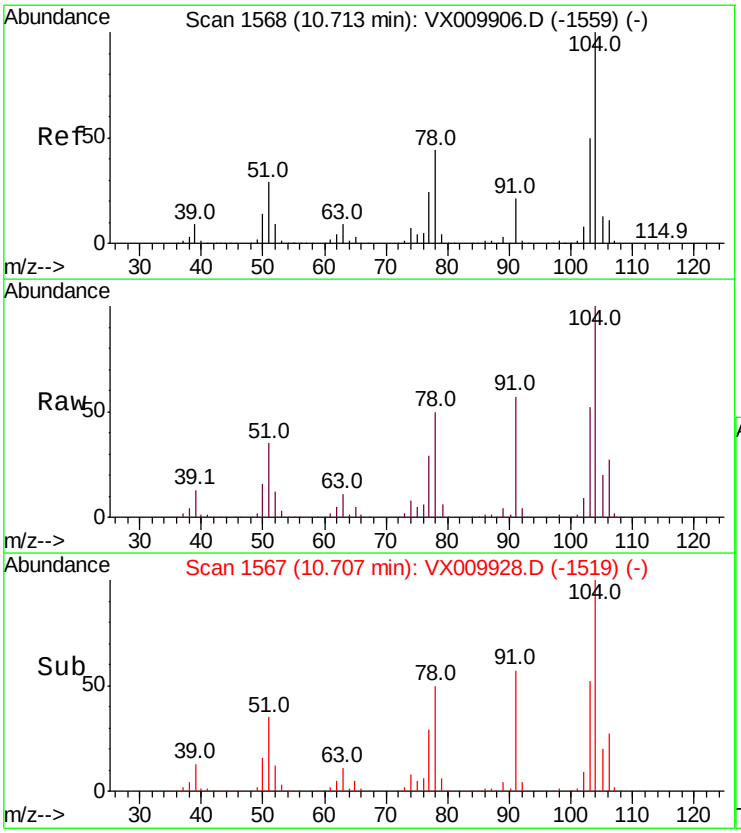
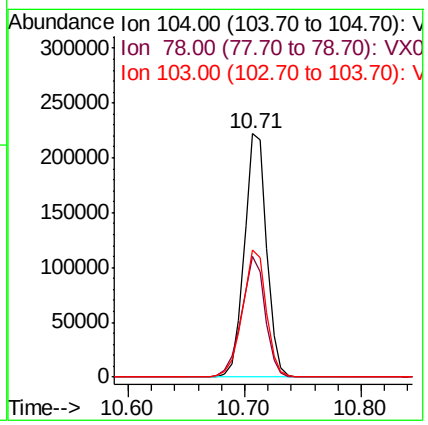
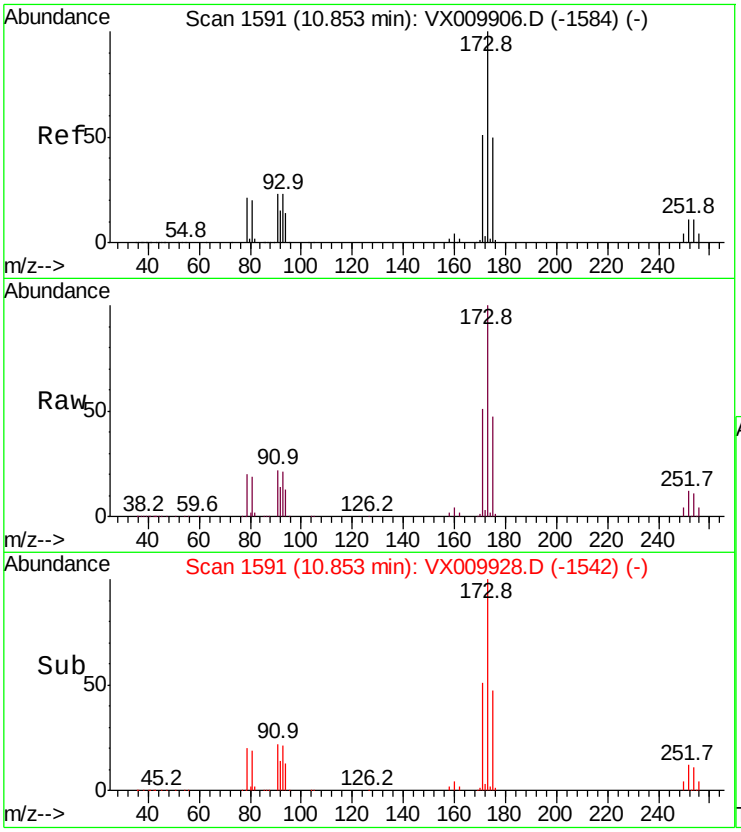



#70
Styrene
Concen: 51.503 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion:104 Resp: 296921

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 52.2 | 42.1 | 63.1 |
| 103 | 55.5 | 44.1 | 66.1 |

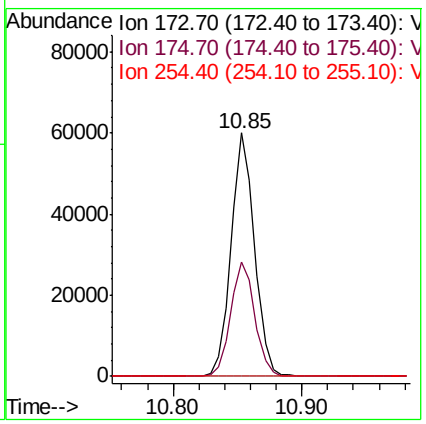





#71
Bromoform
Concen: 51.866 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion:173 Resp: 75995

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.5 | 25.0 | 75.0 |
| 254 | 0.2 | 0.2 | 0.2 |




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

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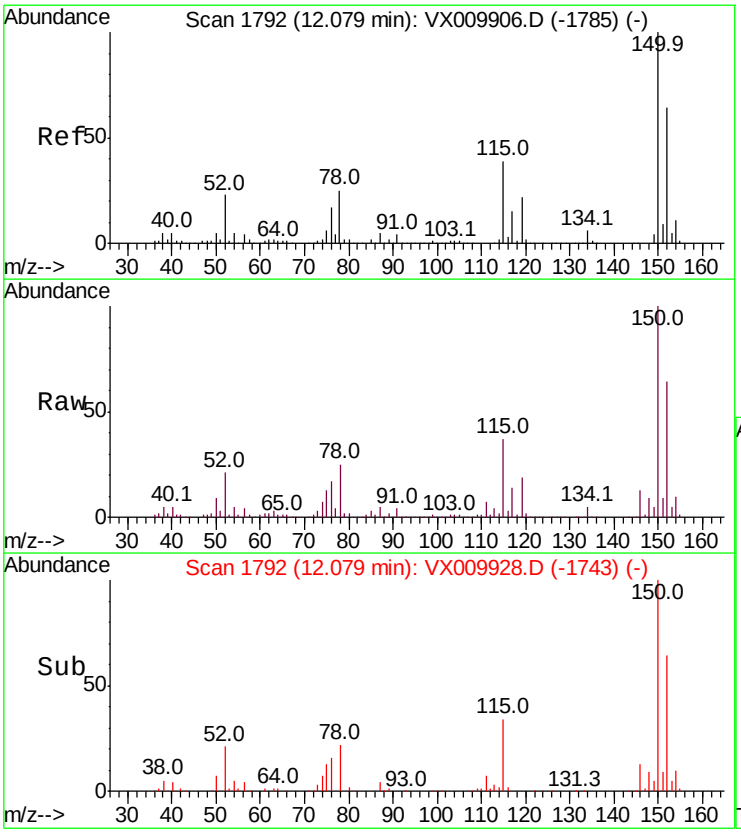
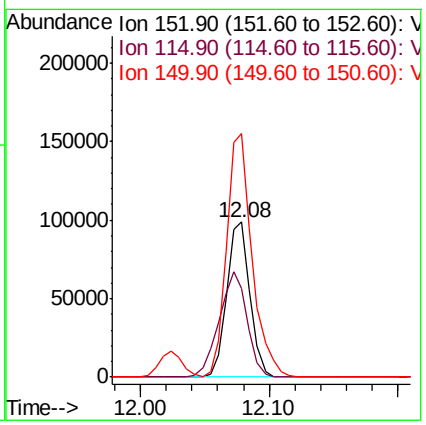
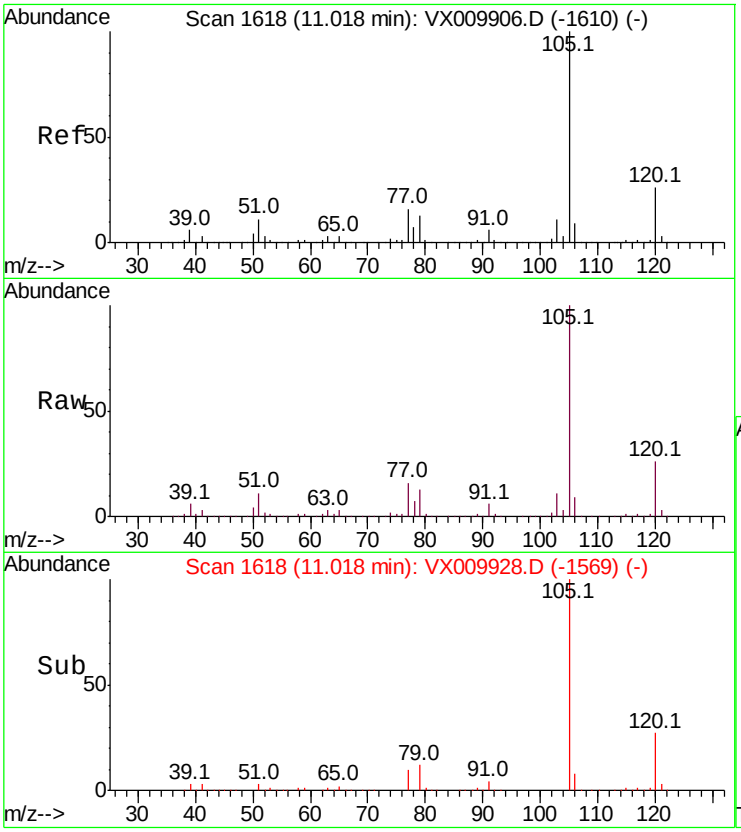



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion:152 Resp: 124059

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 82.3 | 41.4 | 124.2 |
| 150 | 173.6 | 0.0 | 345.2 |

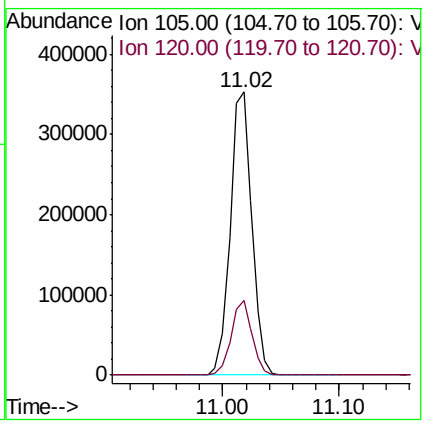





#73
Isopropylbenzene
Concen: 49.702 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion:105 Resp: 454939

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.5 | 12.8 | 38.4 |




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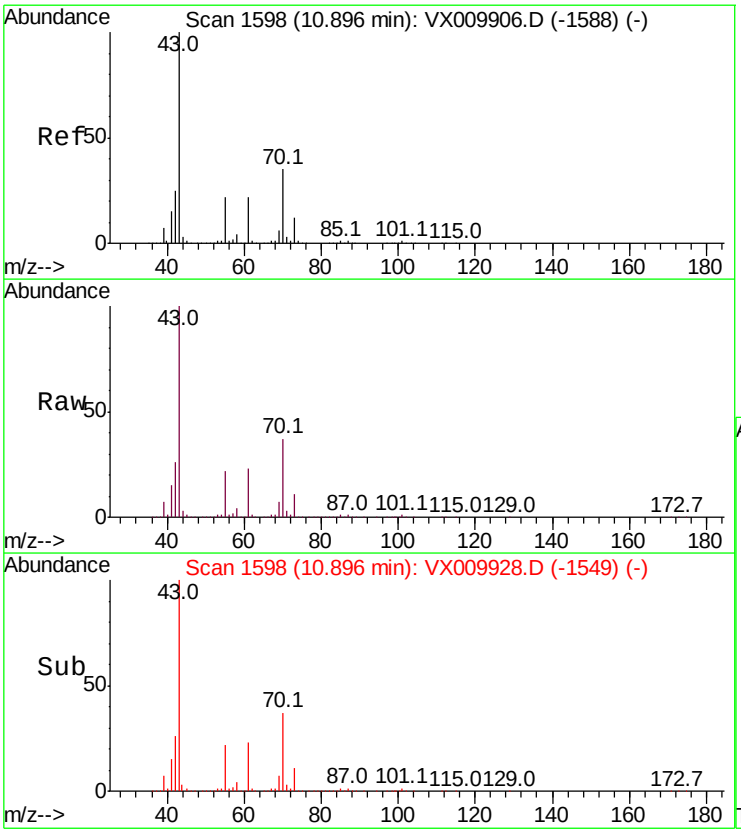
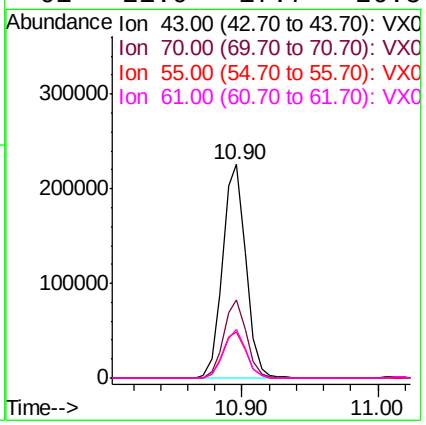
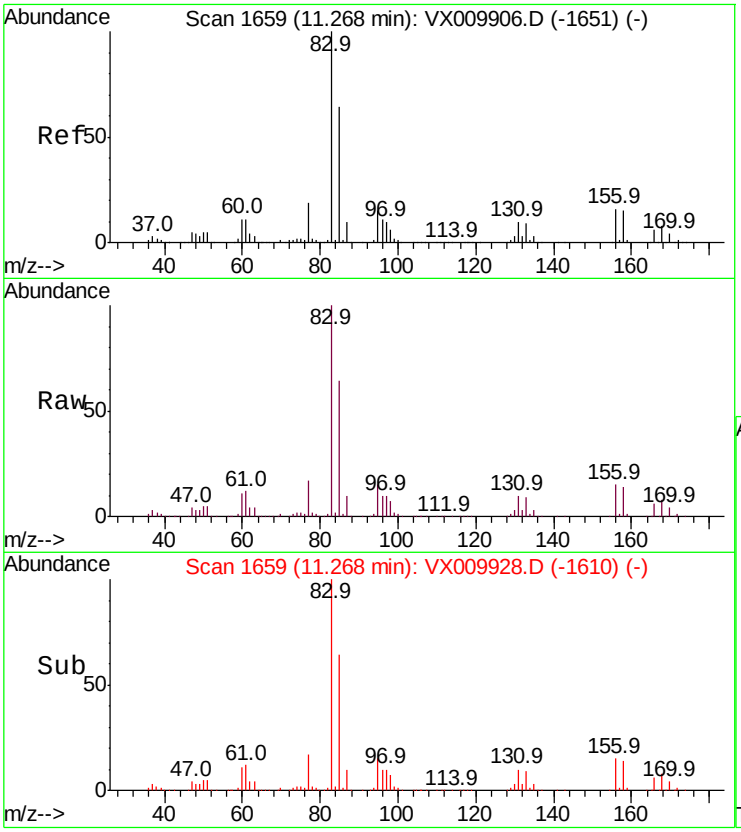



#74
N-amyl acetate
Concen: 48.762 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion: 43 Resp: 266709

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 35.9 | 28.6 | 43.0 |
| 55 | 21.8 | 17.8 | 26.8 |
| 61 | 21.9 | 17.7 | 26.5 |

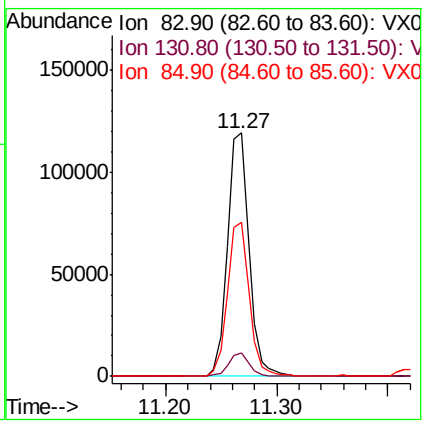





#75
1,1,2,2-Tetrachloroethane
Concen: 46.853 ug/l
RT: 11.27 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion: 83 Resp: 159996

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.2 | 4.7 | 14.1 |
| 85 | 63.9 | 31.9 | 95.9 |




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

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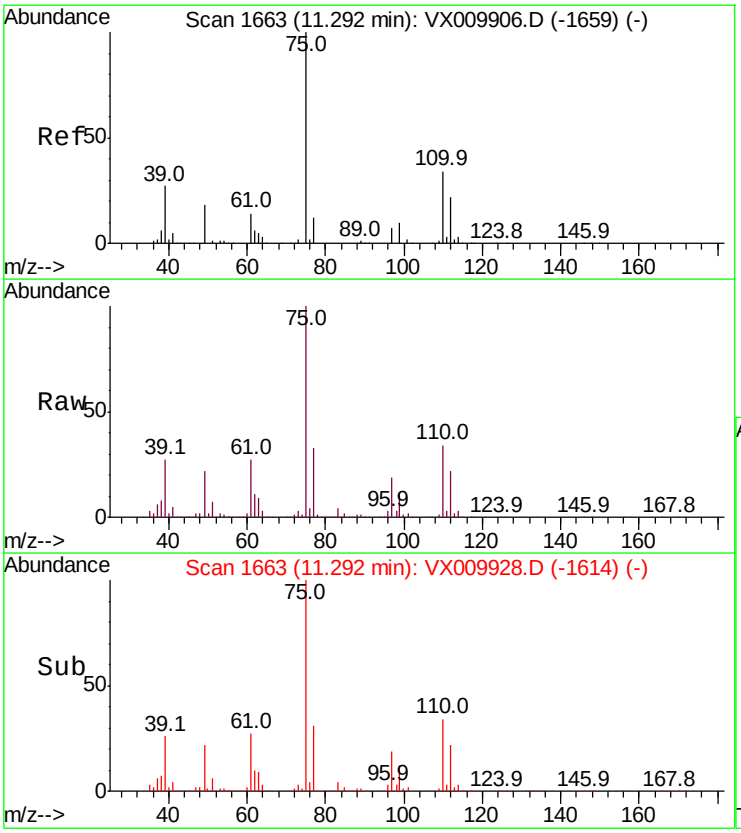
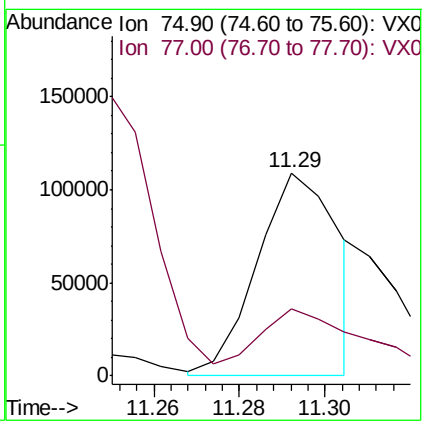
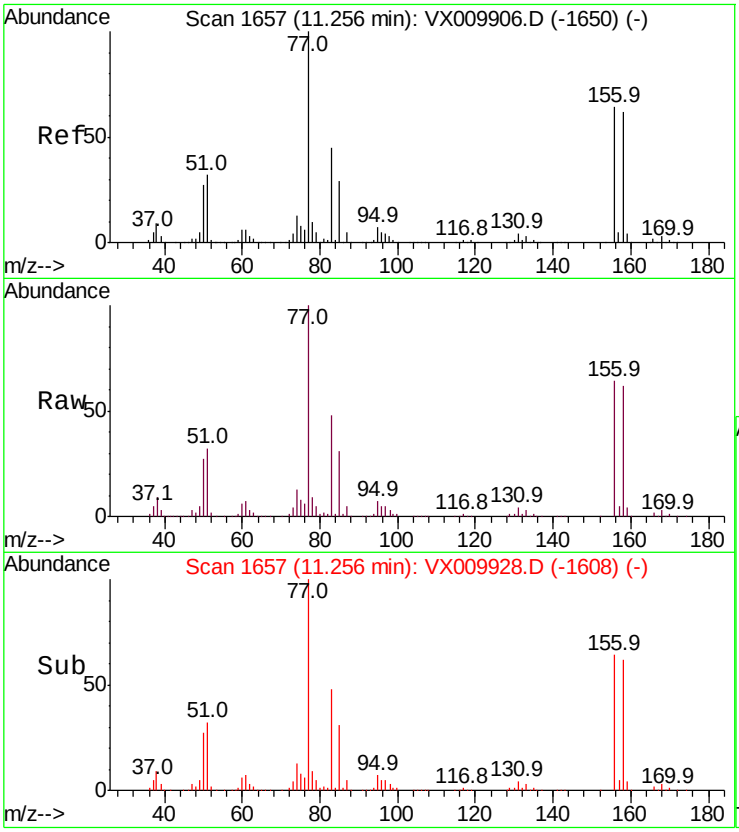



#76
1,2,3-Trichloropropane
Concen: 48.613 ug/l m
RT: 11.29 min Scan# 1663
Delta R.T. -0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion: 75 Resp: 144217

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 43.0 | 22.1 | 66.1 |

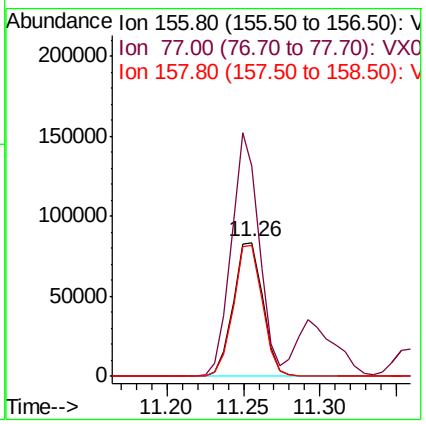





#77
Bromobenzene
Concen: 47.851 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion:156 Resp: 111622

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 171.0 | 86.8 | 260.3 |
| 158 | 96.3 | 49.6 | 148.8 |




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

**Manual Integrations APPROVED**
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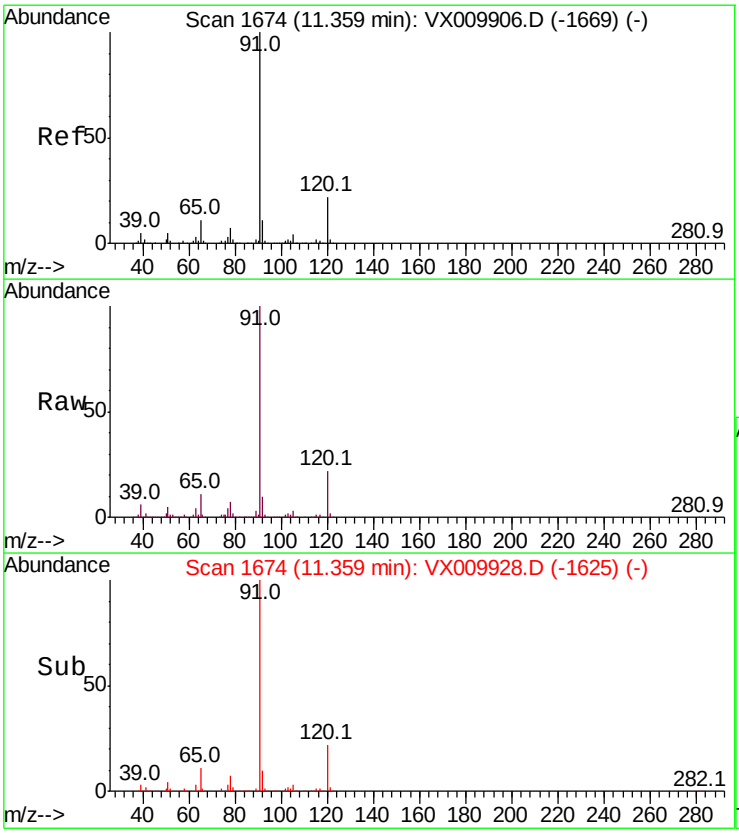
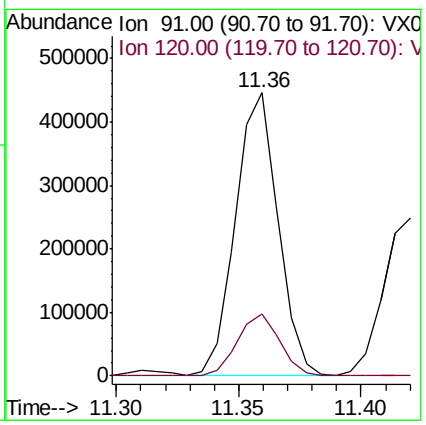
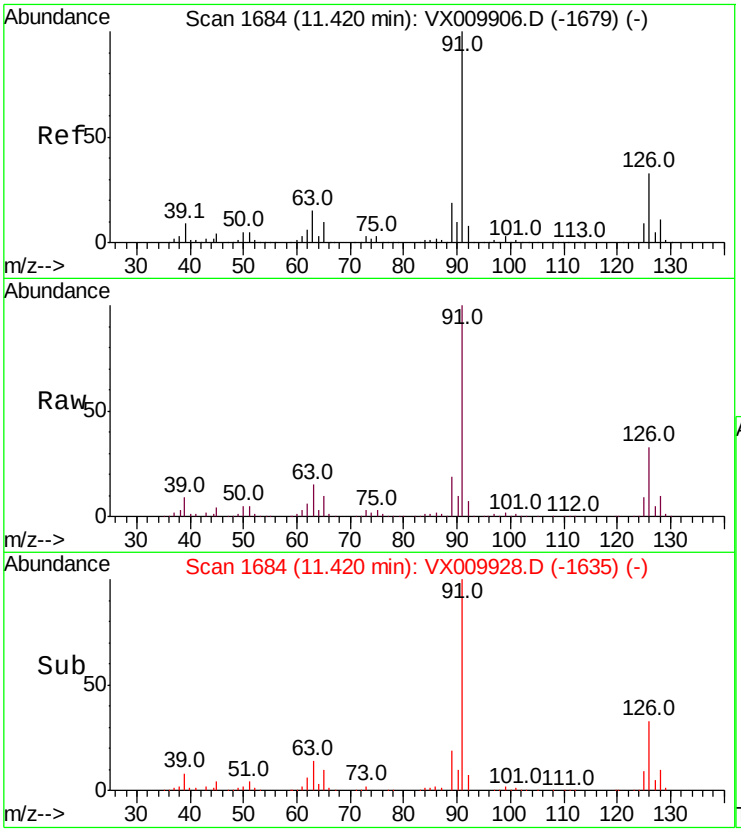



#78
n-propylbenzene
Concen: 50.766 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion: 91 Resp: 535621

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 21.9 | 11.1 | 33.3 |

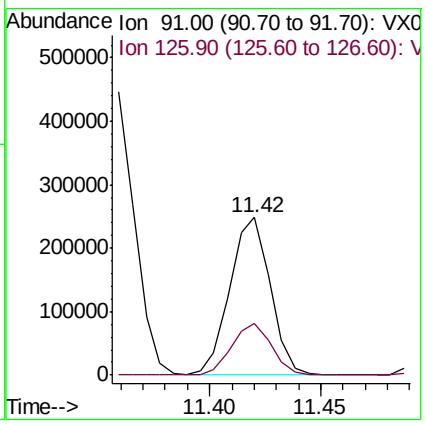





#79
2-Chlorotoluene
Concen: 48.658 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion: 91 Resp: 313660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 32.5 | 16.1 | 48.3 |




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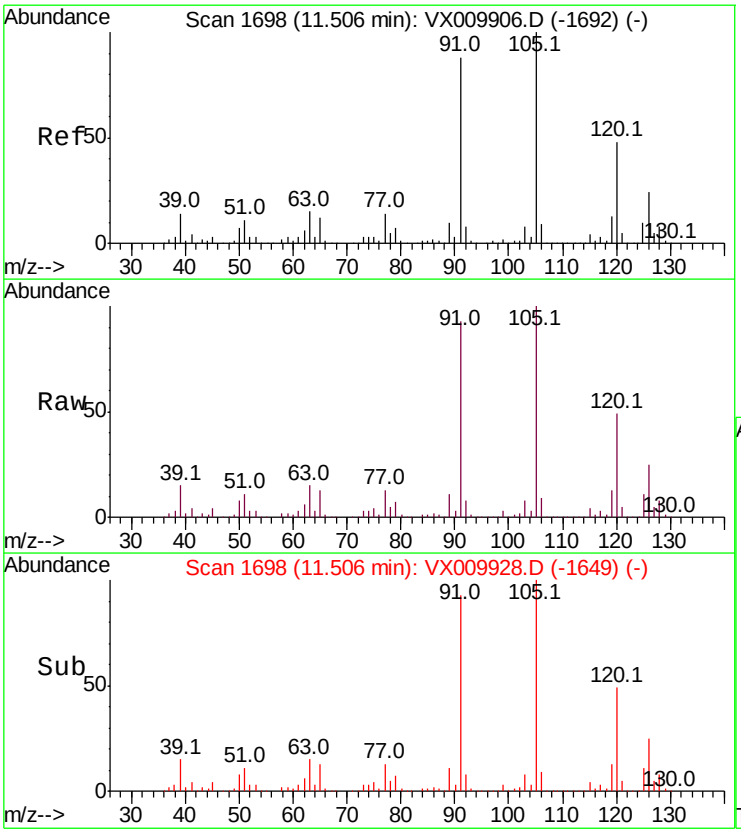
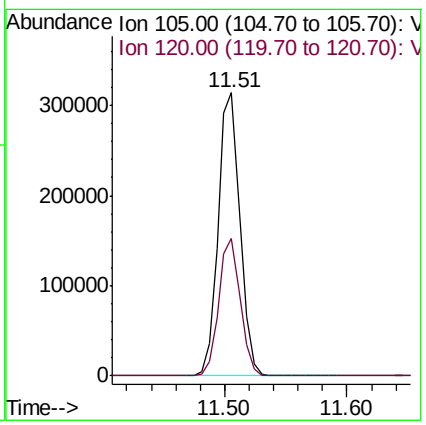
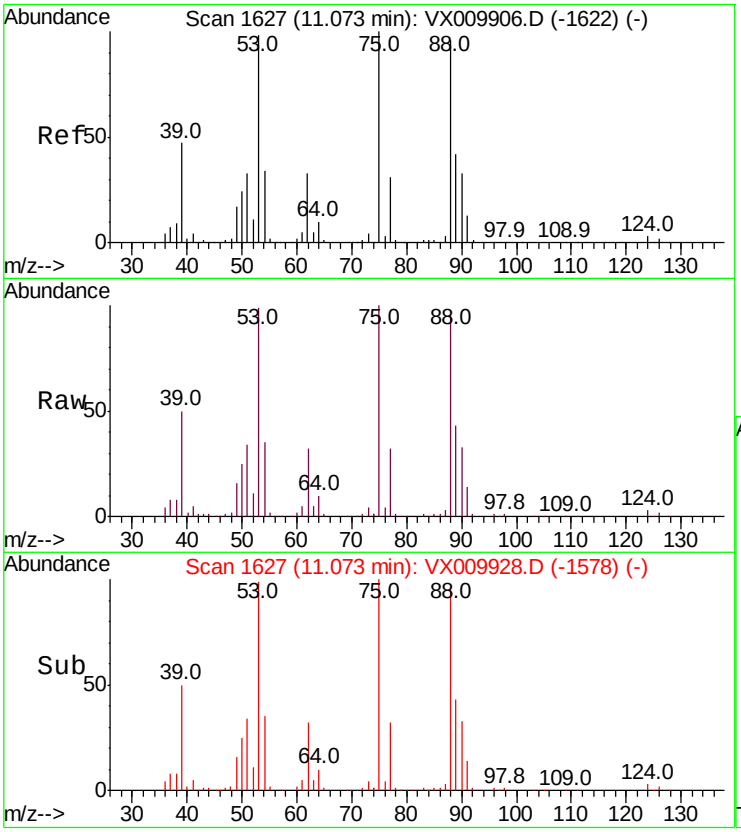



#80
1,3,5-Trimethylbenzene
Concen: 50.301 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion:105 Resp: 387888

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.0 | 24.1 | 72.3 |

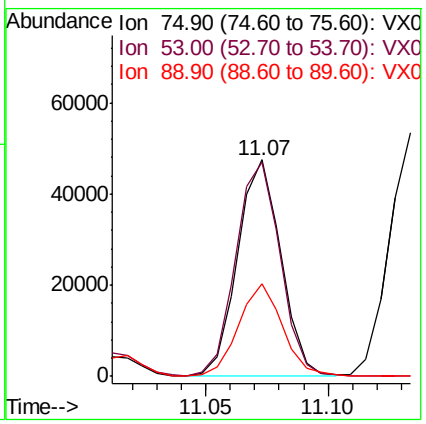





#81
trans-1,4-Dichloro-2-butene
Concen: 48.499 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion: 75 Resp: 58153

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 101.5 | 79.8 | 119.6 |
| 89 | 43.6 | 34.2 | 51.4 |




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

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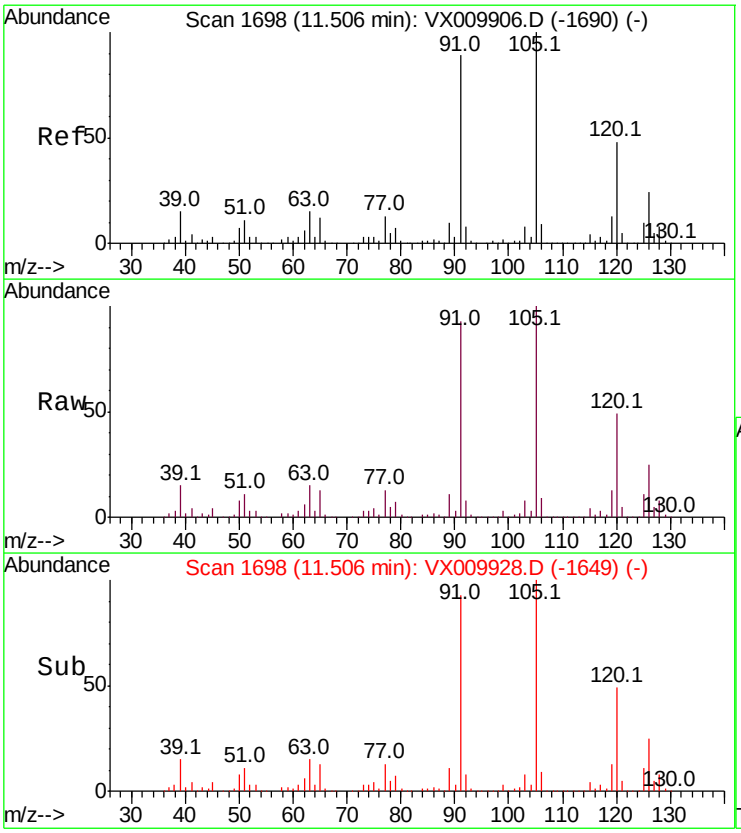
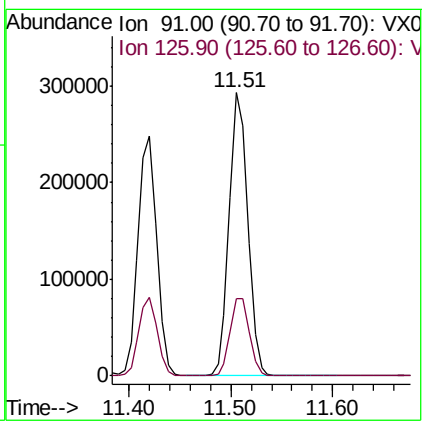
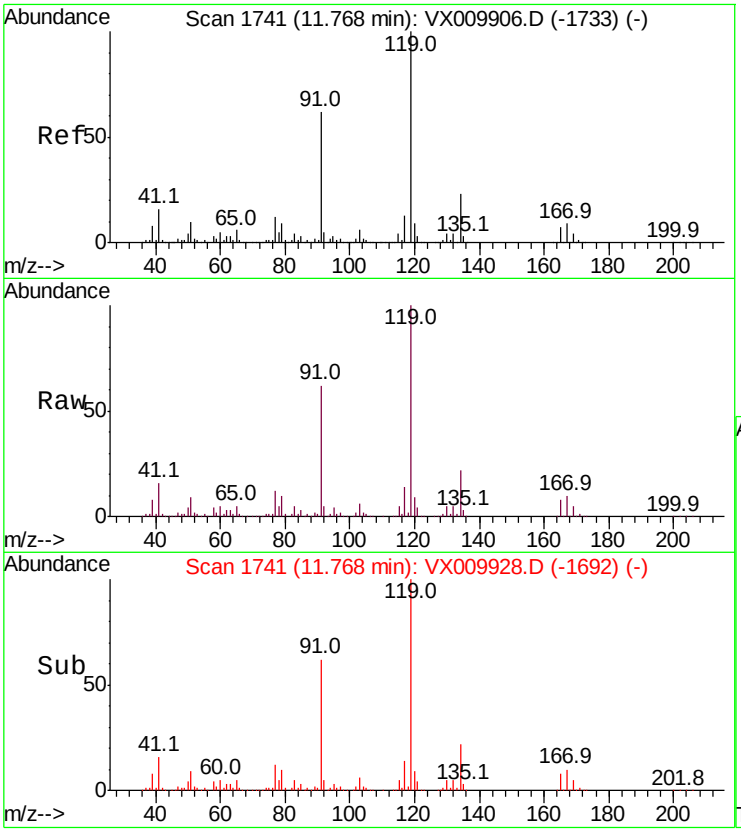



#82
4-Chlorotoluene
Concen: 48.920 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion: 91 Resp: 367100

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 28.6 | 14.2 | 42.6 |

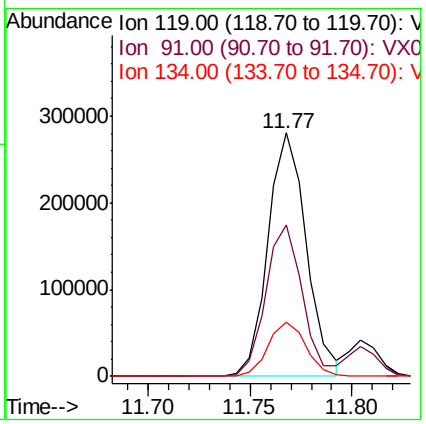





#83
tert-Butylbenzene
Concen: 49.852 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion:119 Resp: 367781

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 59.9 | 30.0 | 90.0 |
| 134 | 21.9 | 11.2 | 33.5 |




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

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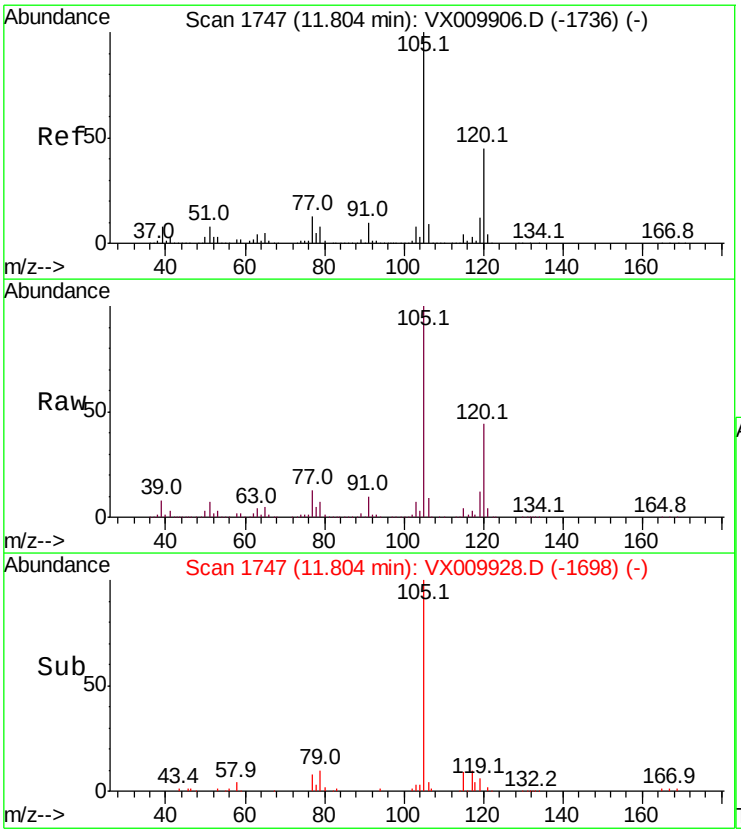
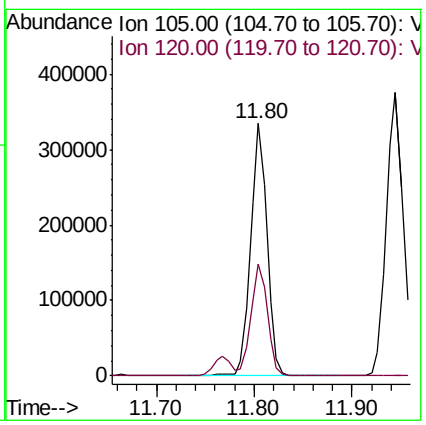
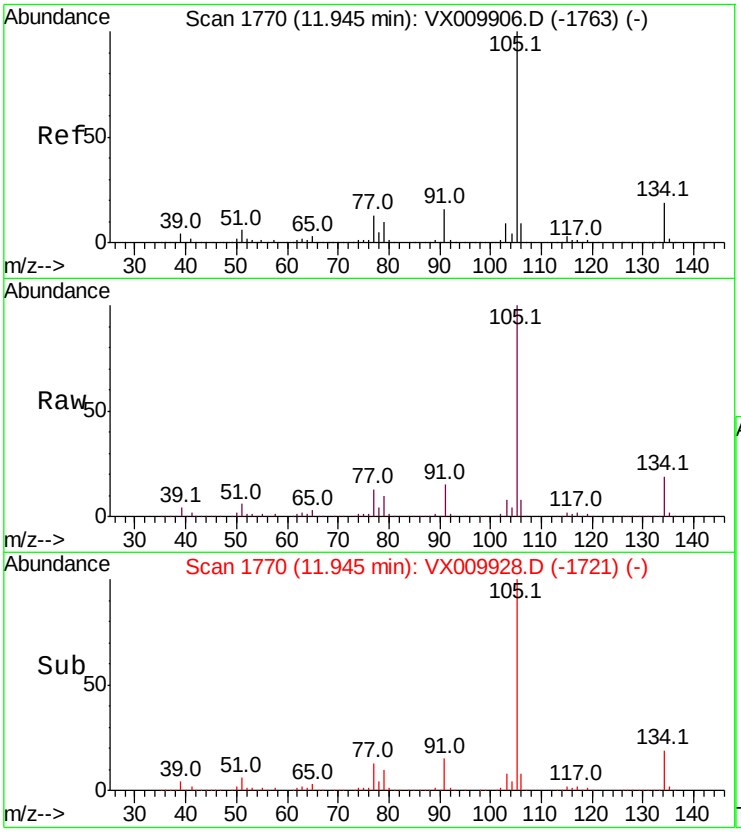



#84
1,2,4-Trimethylbenzene
Concen: 49.575 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion:105 Resp: 388237

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.6 | 22.1 | 66.1 |

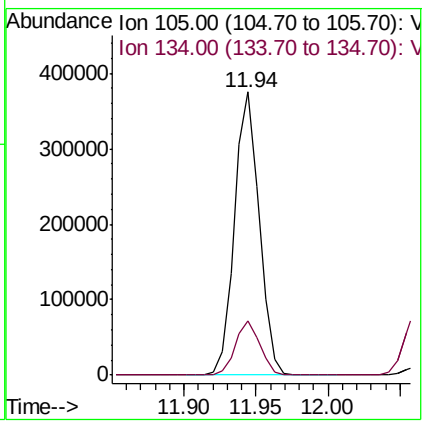





#85
sec-Butylbenzene
Concen: 51.185 ug/l
RT: 11.94 min Scan# 1770
Delta R.T. -0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion:105 Resp: 449238

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.1 | 9.7 | 28.9 |




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

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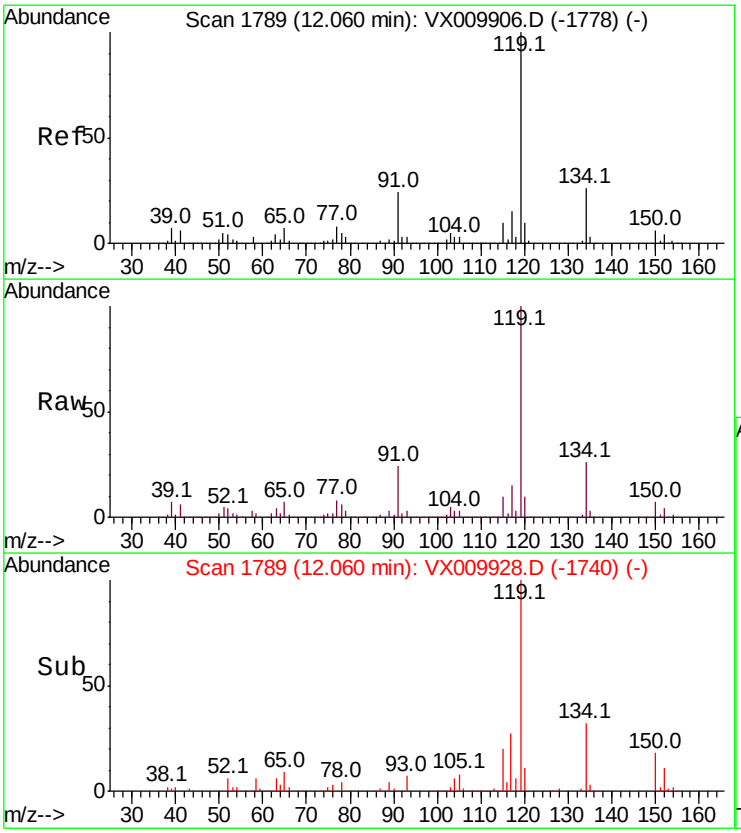
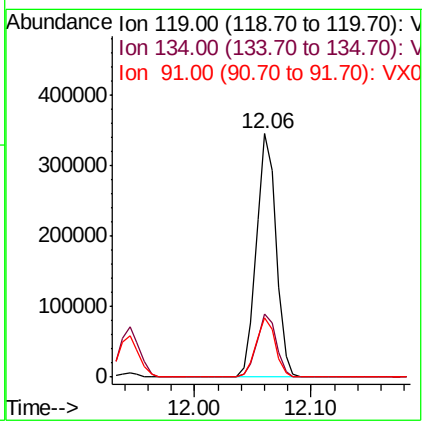
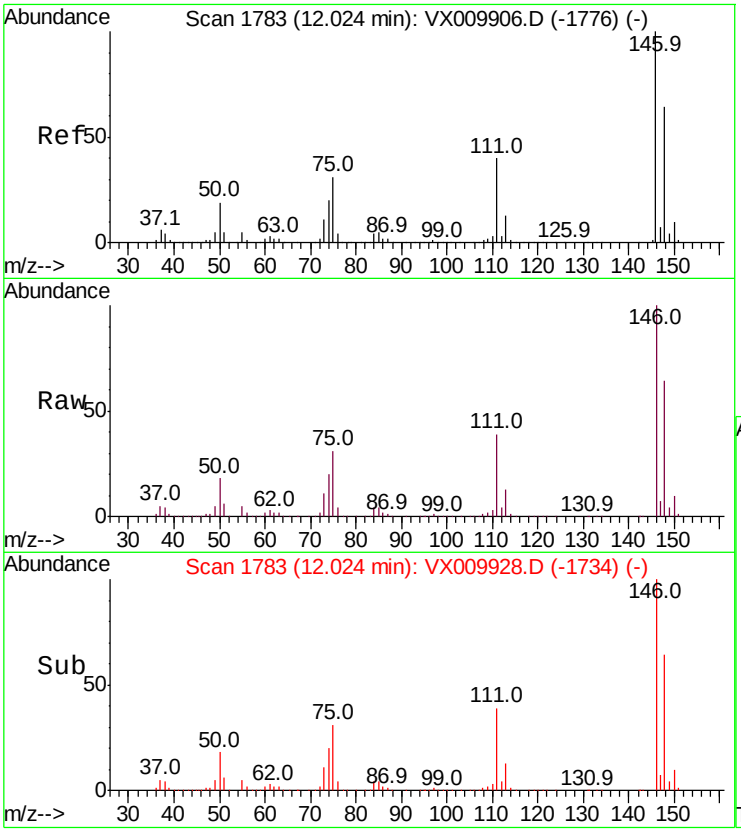



#86
p-Isopropyltoluene
Concen: 51.877 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion:119 Resp: 409544

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.9 | 12.9 | 38.6 |
| 91 | 23.9 | 11.9 | 35.9 |

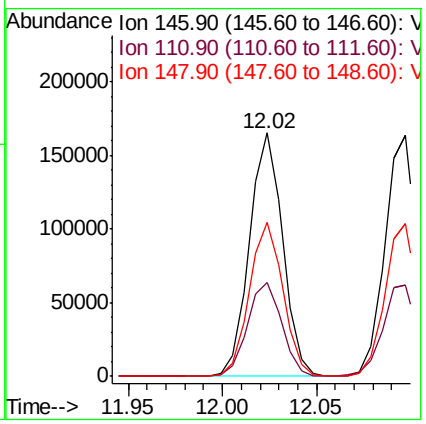





#87
1,3-Dichlorobenzene
Concen: 48.599 ug/l
RT: 12.02 min Scan# 1783
Delta R.T. -0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion:146 Resp: 201829

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.0 | 20.1 | 60.2 |
| 148 | 63.8 | 31.9 | 95.5 |




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

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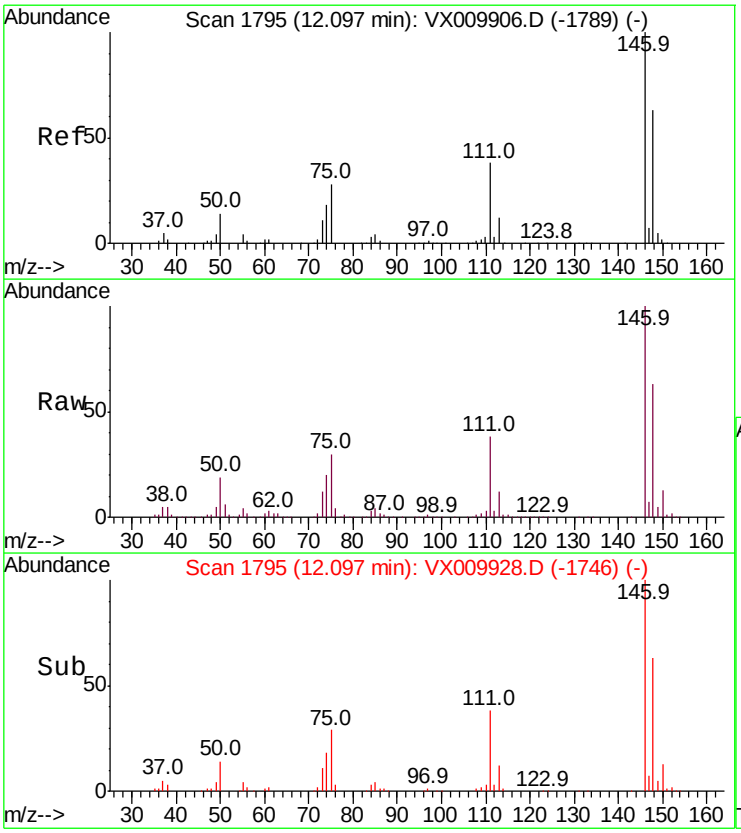
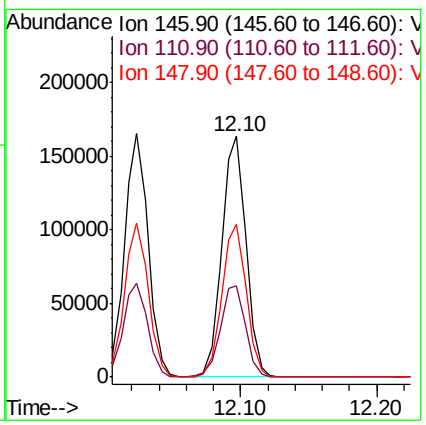
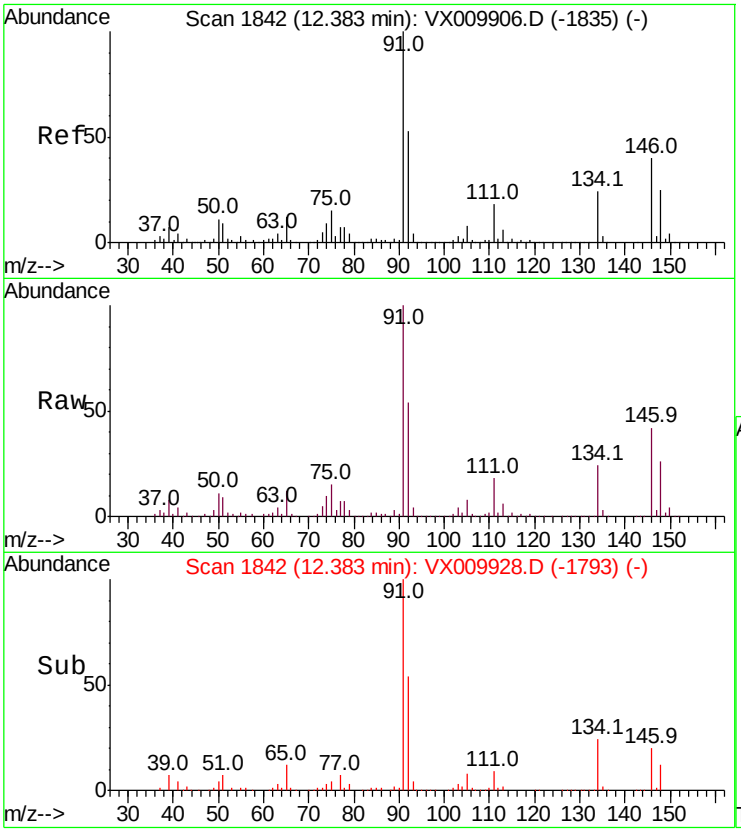



#88
1,4-Dichlorobenzene
Concen: 47.385 ug/l
RT: 12.10 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion:146 Resp: 200693

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.4 | 20.0 | 59.9 |
| 148 | 64.0 | 32.3 | 96.9 |

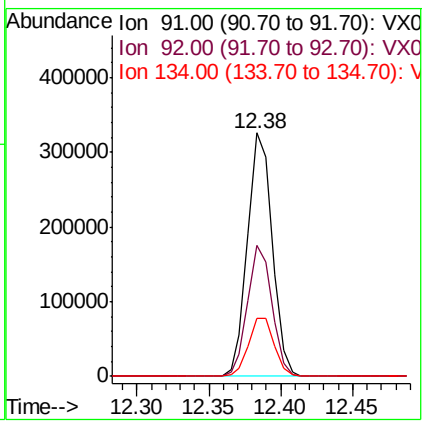





#89
n-Butylbenzene
Concen: 52.023 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion: 91 Resp: 385969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.2 | 26.3 | 78.8 |
| 134 | 24.9 | 12.3 | 36.8 |




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

**Manual Integrations APPROVED**
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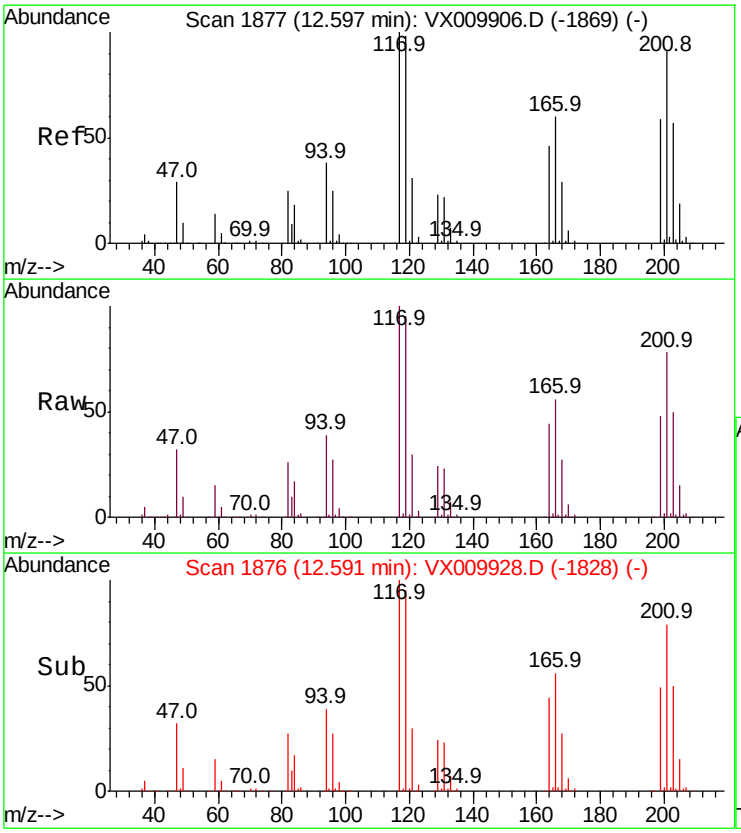
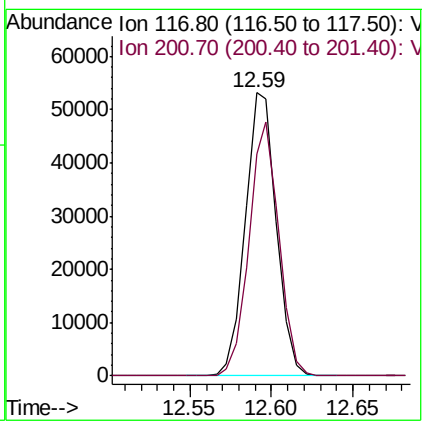
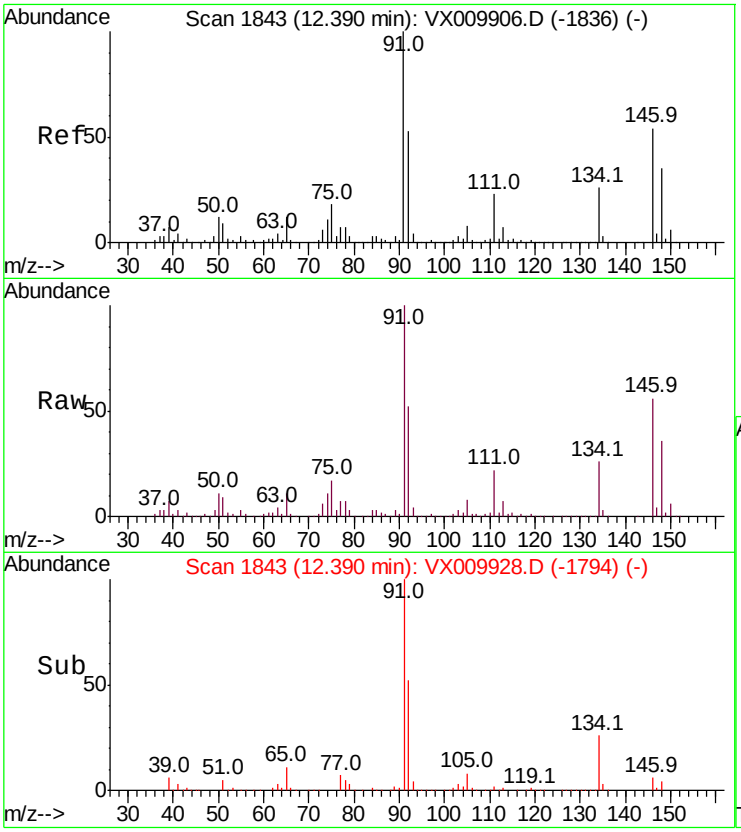



#90
Hexachloroethane
Concen: 51.908 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion:117 Resp: 70324

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 86.0 | 43.6 | 130.9 |

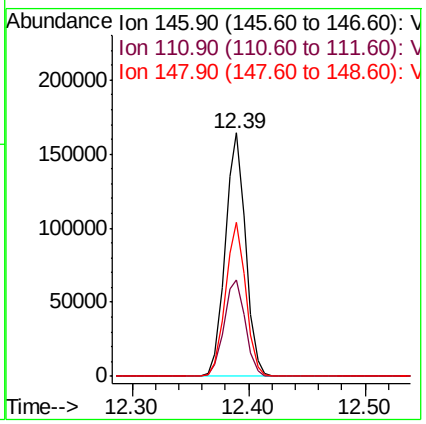





#91
1,2-Dichlorobenzene
Concen: 48.214 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion:146 Resp: 197412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.4 | 21.1 | 63.1 |
| 148 | 63.3 | 32.3 | 96.8 |




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

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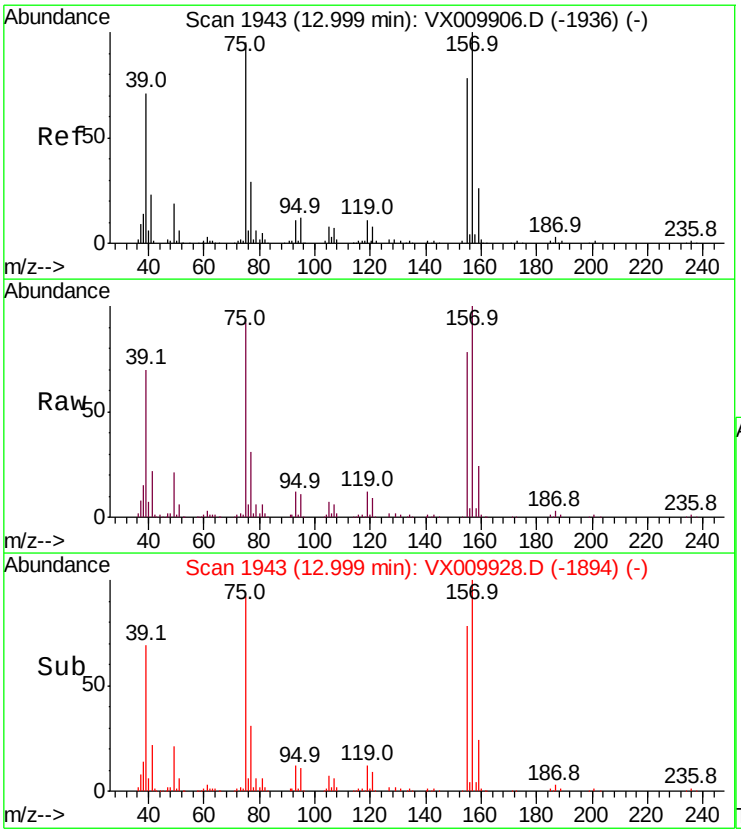
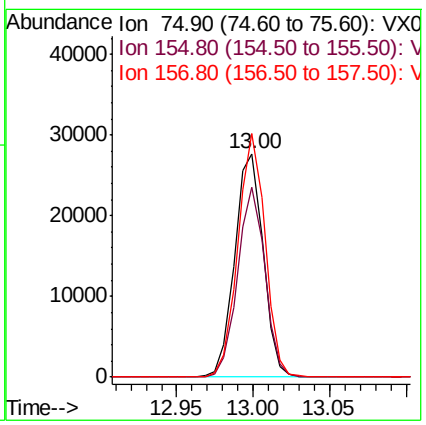
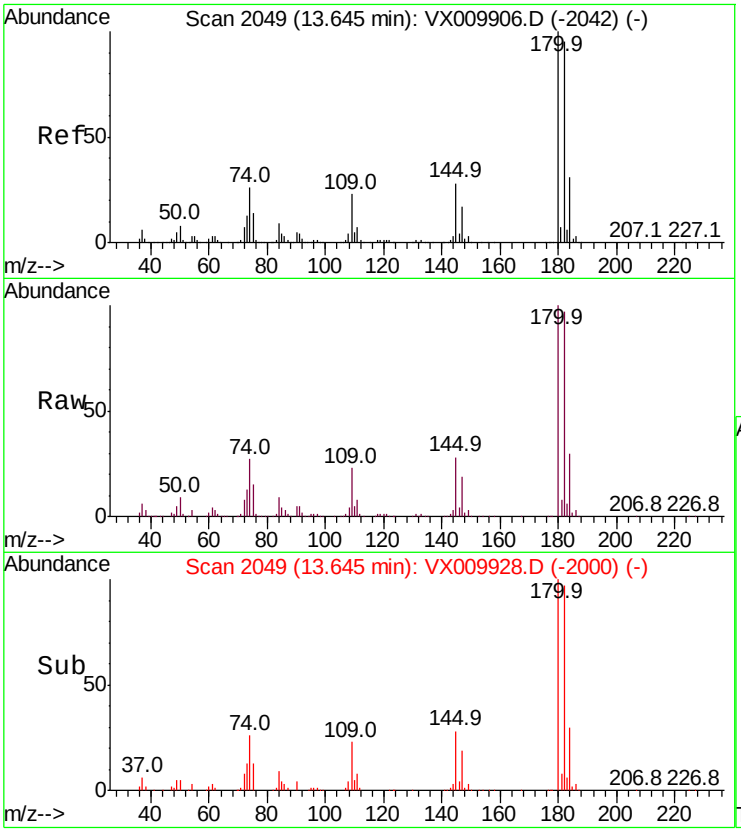



#92
1,2-Dibromo-3-Chloropropane
Concen: 44.368 ug/l
RT: 13.00 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion: 75 Resp: 35663

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 81.5 | 39.3 | 117.8 |
| 157 | 104.0 | 50.6 | 151.8 |

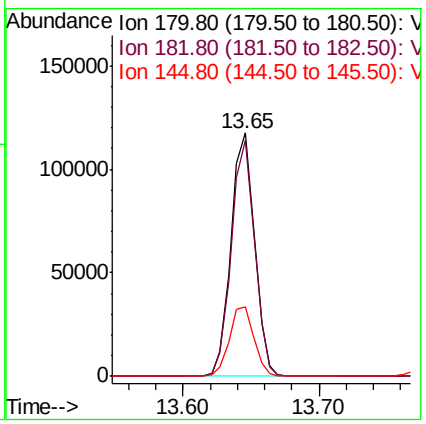





#93
1,2,4-Trichlorobenzene
Concen: 48.728 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. -0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion:180 Resp: 142579

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.7 | 47.4 | 142.2 |
| 145 | 29.5 | 14.5 | 43.5 |




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

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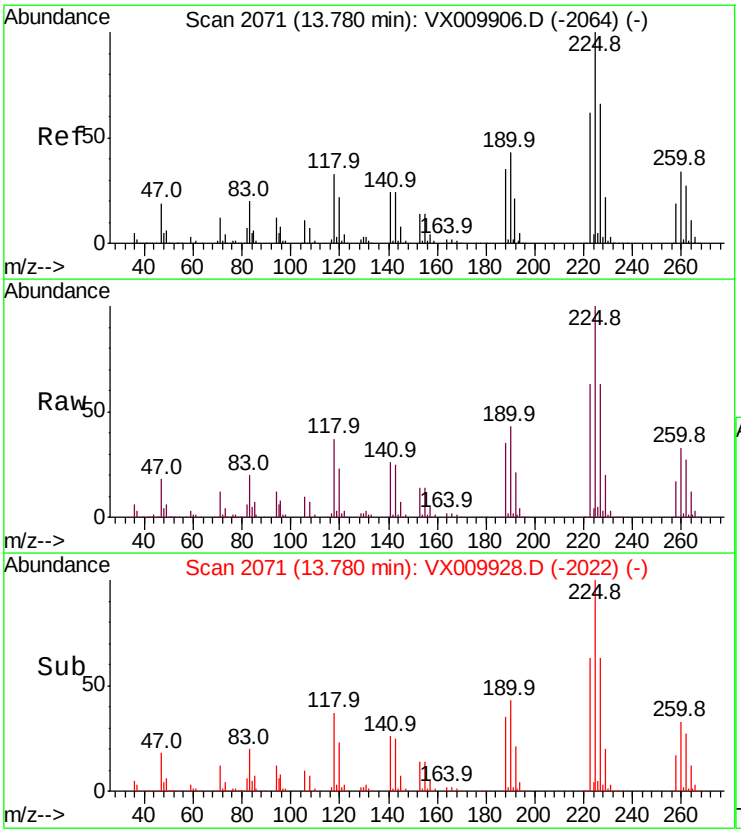
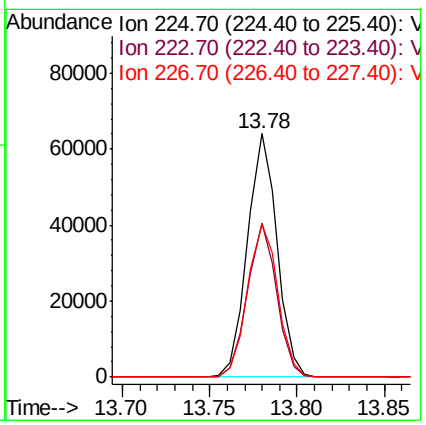
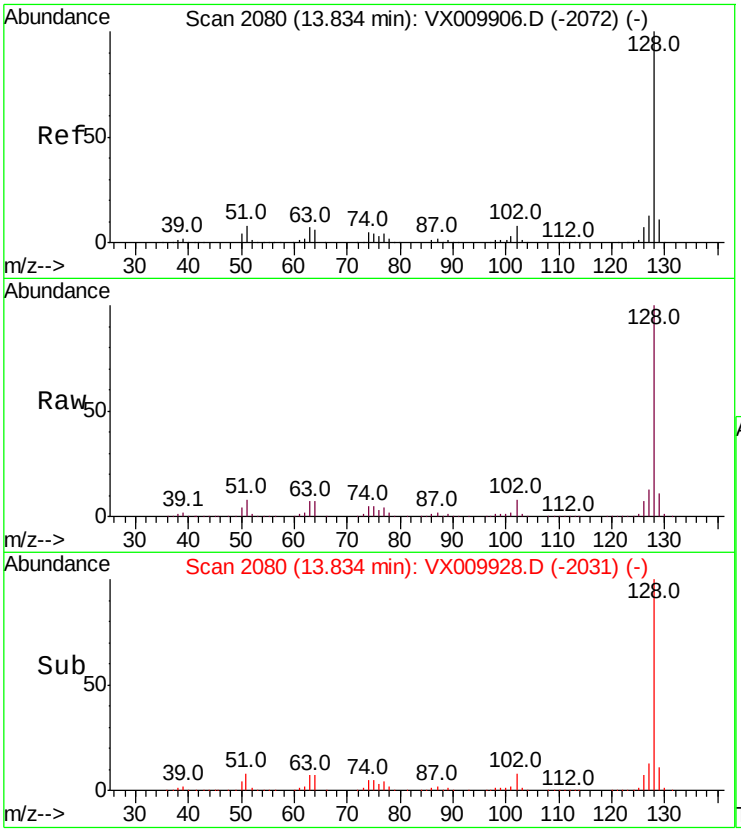



#94
Hexachlorobutadiene
Concen: 51.217 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. -0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion:225 Resp: 75168

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.5 | 31.3 | 93.8 |
| 227 | 64.7 | 32.3 | 96.8 |

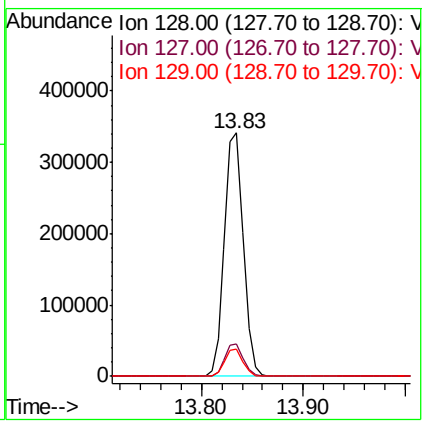





#95
Naphthalene
Concen: 48.061 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion:128 Resp: 437628

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.2 | 10.6 | 16.0 |
| 129 | 10.8 | 8.8 | 13.2 |




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

**Manual Integrations APPROVED**
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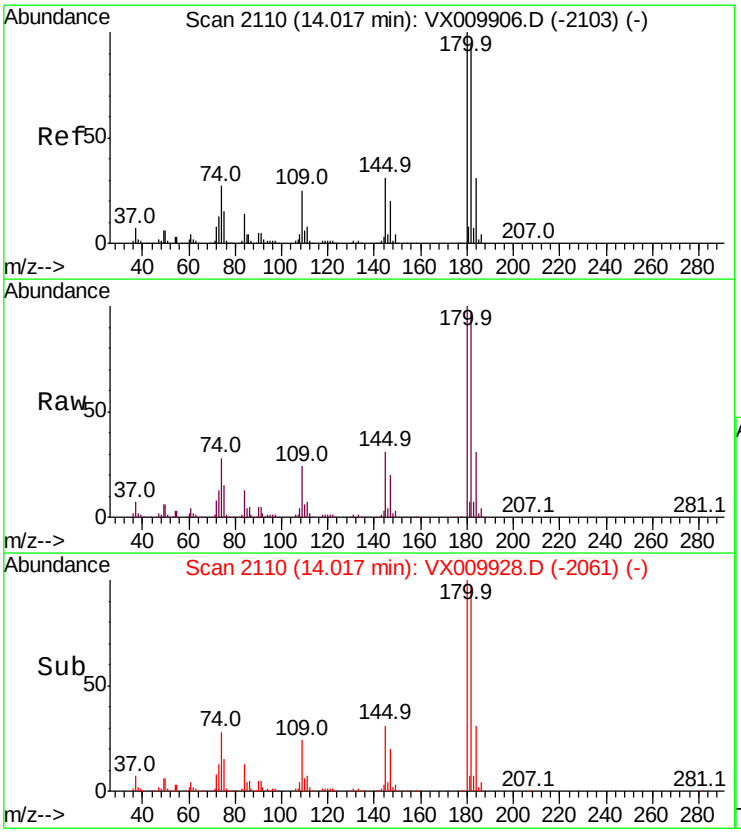


#96
1,2,3-Trichlorobenzene
Concen: 47.635 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX009928.D
Acq: 29 May 2019 10:08

Tgt Ion:180 Resp: 139518

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.3 | 47.3 | 142.0 |
| 145 | 31.7 | 15.6 | 46.7 |