Quantitation Report    (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102419\
Data File : VX013183.D
Acq On    : 23 Oct 2019  09:38
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
10/25/2019 4:32:28 PM

Quant Time: Oct 24 04:06:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102419W.M
Quant Title  : SW846 8260
QLast Update : Thu Oct 24 03:56:38 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 5.65 | 168 | 95077 | 50.00 ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.84 | 114 | 136283 | 50.00 ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.11 | 117 | 138278 | 50.00 ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.07 | 152 | 97287 | 50.00 ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | |
| 33) 1,2-Dichloroethane-d4 | 6.05 | 65 | 96274 | 48.41 ug/l | 0.00 |
| Spiked Amount 50.000 | | | | Recovery = 96.82% | |
| 35) Dibromofluoromethane | 5.48 | 113 | 77040 | 50.69 ug/l | 0.00 |
| Spiked Amount 50.000 | | | | Recovery = 101.38% | |
| 50) Toluene-d8 | 8.71 | 98 | 287111 | 50.98 ug/l | 0.00 |
| Spiked Amount 50.000 | | | | Recovery = 101.96% | |
| 62) 4-Bromofluorobenzene | 11.13 | 95 | 115291 | 51.72 ug/l | 0.00 |
| Spiked Amount 50.000 | | | | Recovery = 103.44% | |

| Target Compounds | R.T. | QIon | Response | Conc Units | Qvalue |
|---|---|---|---|---|---|
| 2) Dichlorodifluoromethane | 1.19 | 85 | 96986 | 50.554 ug/l | 100 |
| 3) Chloromethane | 1.32 | 50 | 84061 | 53.144 ug/l | 96 |
| 4) Vinyl Chloride | 1.40 | 62 | 85867 | 49.734 ug/l | 99 |
| 5) Bromomethane | 1.63 | 94 | 44476 | 48.602 ug/l | 97 |
| 6) Chloroethane | 1.71 | 64 | 53623 | 55.794 ug/l | 95 |
| 7) Trichlorofluoromethane | 1.92 | 101 | 144025 | 52.847 ug/l | 99 |
| 8) Diethyl Ether | 2.18 | 74 | 49462 | 52.935 ug/l | 97 |
| 9) 1,1,2-Trichlorotrifluoroet | 2.37 | 101 | 88034 | 52.176 ug/l | 99 |
| 10) Methyl Iodide | 2.50 | 142 | 105976 | 49.865 ug/l | 99 |
| 11) Tert butyl alcohol | 3.03 | 59 | 111016 | 257.366 ug/l | 100 |
| 12) 1,1-Dichloroethene | 2.36 | 96 | 84269 | 52.030 ug/l | 98 |
| 13) Acrolein | 2.28 | 56 | 62058 | 265.986 ug/l | 95 |
| 14) Allyl chloride | 2.72 | 41 | 132023 | 51.777 ug/l | 100 |
| 15) Acrylonitrile | 3.13 | 53 | 216375 | 246.856 ug/l | 100 |
| 16) Acetone | 2.43 | 43 | 260152 | 277.684 ug/l | 99 |
| 17) Carbon Disulfide | 2.56 | 76 | 223070 | 51.229 ug/l | 100 |
| 18) Methyl Acetate | 2.76 | 43 | 103827 | 50.739 ug/l | 98 |
| 19) Methyl tert-butyl Ether | 3.18 | 73 | 286983 | 50.317 ug/l | 97 |
| 20) Methylene Chloride | 2.84 | 84 | 91789 | 52.378 ug/l | 97 |
| 21) trans-1,2-Dichloroethene | 3.16 | 96 | 88538 | 52.515 ug/l | 91 |
| 22) Diisopropyl ether | 3.84 | 45 | 253579 | 50.862 ug/l | 97 |
| 23) Vinyl Acetate | 3.80 | 43 | 1120948 | 264.525 ug/l | 100 |
| 24) 1,1-Dichloroethane | 3.69 | 63 | 154839 | 50.492 ug/l | 99 |
| 25) 2-Butanone | 4.65 | 43 | 321323 | 255.743 ug/l | 99 |
| 26) 2,2-Dichloropropane | 4.57 | 77 | 147764 | 52.137 ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.58 | 96 | 100258 | 50.545 ug/l | 98 |
| 28) Bromochloromethane | 5.00 | 49 | 41124 | 52.007 ug/l | 99 |
| 29) Tetrahydrofuran | 5.11 | 42 | 184462 | 243.569 ug/l | 98 |
| 30) Chloroform | 5.20 | 83 | 164091 | 50.257 ug/l | 97 |
| 31) Cyclohexane | 5.57 | 56 | 137009 | 53.275 ug/l | 99 |
| 32) 1,1,1-Trichloroethane | 5.48 | 97 | 151226 | 52.092 ug/l | 100 |
| 36) 1,1-Dichloropropene | 5.78 | 75 | 123543 | 54.162 ug/l | 99 |
| 37) Ethyl Acetate | 4.81 | 43 | 112701 | 49.625 ug/l | 99 |
| 38) Carbon Tetrachloride | 5.78 | 117 | 133091 | 52.834 ug/l | 93 |

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102419\
Data File : VX013183.D
Acq On : 23 Oct 2019 09:38
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
10/25/2019 4:32:28 PM

Quant Time: Oct 24 04:06:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102419W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 24 03:56:38 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 39) Methylcyclohexane | 7.45 | 83 | 154744 | 53.039 ug/l | 98 |
| 40) Benzene | 6.13 | 78 | 355709 | 51.964 ug/l | 99 |
| 41) Methacrylonitrile | 5.03 | 41 | 65267 | 53.604 ug/l | 98 |
| 42) 1,2-Dichloroethane | 6.18 | 62 | 133267 | 51.635 ug/l | 98 |
| 43) Isopropyl Acetate | 6.43 | 43 | 197067 | 52.263 ug/l | 99 |
| 44) Trichloroethene | 7.20 | 130 | 99584 | 51.258 ug/l | 98 |
| 45) 1,2-Dichloropropane | 7.50 | 63 | 87271 | 50.902 ug/l | 100 |
| 46) Dibromomethane | 7.65 | 93 | 62991 | 50.995 ug/l | 99 |
| 47) Bromodichloromethane | 7.89 | 83 | 129113 | 53.635 ug/l | 99 |
| 48) Methyl methacrylate | 7.76 | 41 | 94747 | 50.839 ug/l | 98 |
| 49) 1,4-Dioxane | 7.73 | 88 | 48893 | 1030.794 ug/l | 100 |
| 51) 4-Methyl-2-Pentanone | 8.64 | 43 | 584895 | 254.487 ug/l | 100 |
| 52) Toluene | 8.78 | 92 | 234360 | 51.661 ug/l | 100 |
| 53) t-1,3-Dichloropropene | 9.03 | 75 | 145556 | 56.900 ug/l | 97 |
| 54) cis-1,3-Dichloropropene | 8.43 | 75 | 157919 | 56.431 ug/l | 99 |
| 55) 1,1,2-Trichloroethane | 9.21 | 97 | 90491 | 50.453 ug/l | 96 |
| 56) Ethyl methacrylate | 9.17 | 69 | 147914 | 54.794 ug/l | 98 |
| 57) 1,3-Dichloropropane | 9.36 | 76 | 153103 | 50.591 ug/l | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.30 | 63 | 303279 | 287.928 ug/l | 100 |
| 59) 2-Hexanone | 9.48 | 43 | 464768 | 262.523 ug/l | 98 |
| 60) Dibromochloromethane | 9.57 | 129 | 102713 | 54.653 ug/l | 98 |
| 61) 1,2-Dibromoethane | 9.67 | 107 | 99360 | 52.183 ug/l | 99 |
| 64) Tetrachloroethene | 9.33 | 164 | 96079 | 56.566 ug/l | 98 |
| 65) Chlorobenzene | 10.13 | 112 | 250746 | 51.802 ug/l | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.21 | 131 | 95671 | 53.503 ug/l | 98 |
| 67) Ethyl Benzene | 10.25 | 91 | 458501 | 52.910 ug/l | 98 |
| 68) m/p-Xylenes | 10.36 | 106 | 344154 | 105.089 ug/l | 100 |
| 69) o-Xylene | 10.69 | 106 | 163990 | 52.201 ug/l | 100 |
| 70) Styrene | 10.71 | 104 | 289754 | 53.564 ug/l | 100 |
| 71) Bromoform | 10.85 | 173 | 75400 | 57.708 ug/l # | 98 |
| 73) Isopropylbenzene | 11.01 | 105 | 457985 | 51.840 ug/l | 99 |
| 74) N-amyl acetate | 10.89 | 43 | 168782 | 52.053 ug/l | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.26 | 83 | 135970 | 50.688 ug/l | 98 |
| 76) 1,2,3-Trichloropropane | 11.29 | 75 | 112529m | 47.991 ug/l | |
| 77) Bromobenzene | 11.25 | 156 | 107452 | 50.747 ug/l | 97 |
| 78) n-propylbenzene | 11.35 | 91 | 512714 | 53.427 ug/l | 99 |
| 79) 2-Chlorotoluene | 11.42 | 91 | 308652 | 50.905 ug/l | 97 |
| 80) 1,3,5-Trimethylbenzene | 11.50 | 105 | 390318 | 53.154 ug/l | 98 |
| 81) trans-1,4-Dichloro-2-buten | 11.07 | 75 | 46750 | 54.788 ug/l | 98 |
| 82) 4-Chlorotoluene | 11.51 | 91 | 359604 | 52.343 ug/l | 95 |
| 83) tert-Butylbenzene | 11.76 | 119 | 371838 | 51.181 ug/l | 99 |
| 84) 1,2,4-Trimethylbenzene | 11.80 | 105 | 389976 | 52.651 ug/l | 98 |
| 85) sec-Butylbenzene | 11.94 | 105 | 448375 | 54.232 ug/l | 100 |
| 86) p-Isopropyltoluene | 12.06 | 119 | 424104 | 54.602 ug/l | 99 |
| 87) 1,3-Dichlorobenzene | 12.02 | 146 | 200263 | 52.353 ug/l | 99 |
| 88) 1,4-Dichlorobenzene | 12.09 | 146 | 200723 | 51.538 ug/l | 99 |
| 89) n-Butylbenzene | 12.39 | 91 | 360250 | 56.698 ug/l | 96 |
| 90) Hexachloroethane | 12.59 | 117 | 72051 | 55.392 ug/l | 99 |
| 91) 1,2-Dichlorobenzene | 12.39 | 146 | 191760 | 50.979 ug/l | 97 |
| 92) 1,2-Dibromo-3-Chloropropan | 12.99 | 75 | 34854 | 52.249 ug/l | 97 |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102419\
Data File : VX013183.D
Acq On : 23 Oct 2019 09:38
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 24 04:06:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102419W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 24 03:56:38 2019
Response via : Initial Calibration

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

**Manual Integrations APPROVED**
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10/25/2019 4:32:28 PM

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 93) 1,2,4-Trichlorobenzene | 13.64 | 180 | 124703 | 52.649 | ug/l | 95 |
| 94) Hexachlorobutadiene | 13.78 | 225 | 63361 | 51.713 | ug/l | 94 |
| 95) Naphthalene | 13.83 | 128 | 398085 | 54.761 | ug/l | 99 |
| 96) 1,2,3-Trichlorobenzene | 14.01 | 180 | 124855 | 53.344 | ug/l | 98 |

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

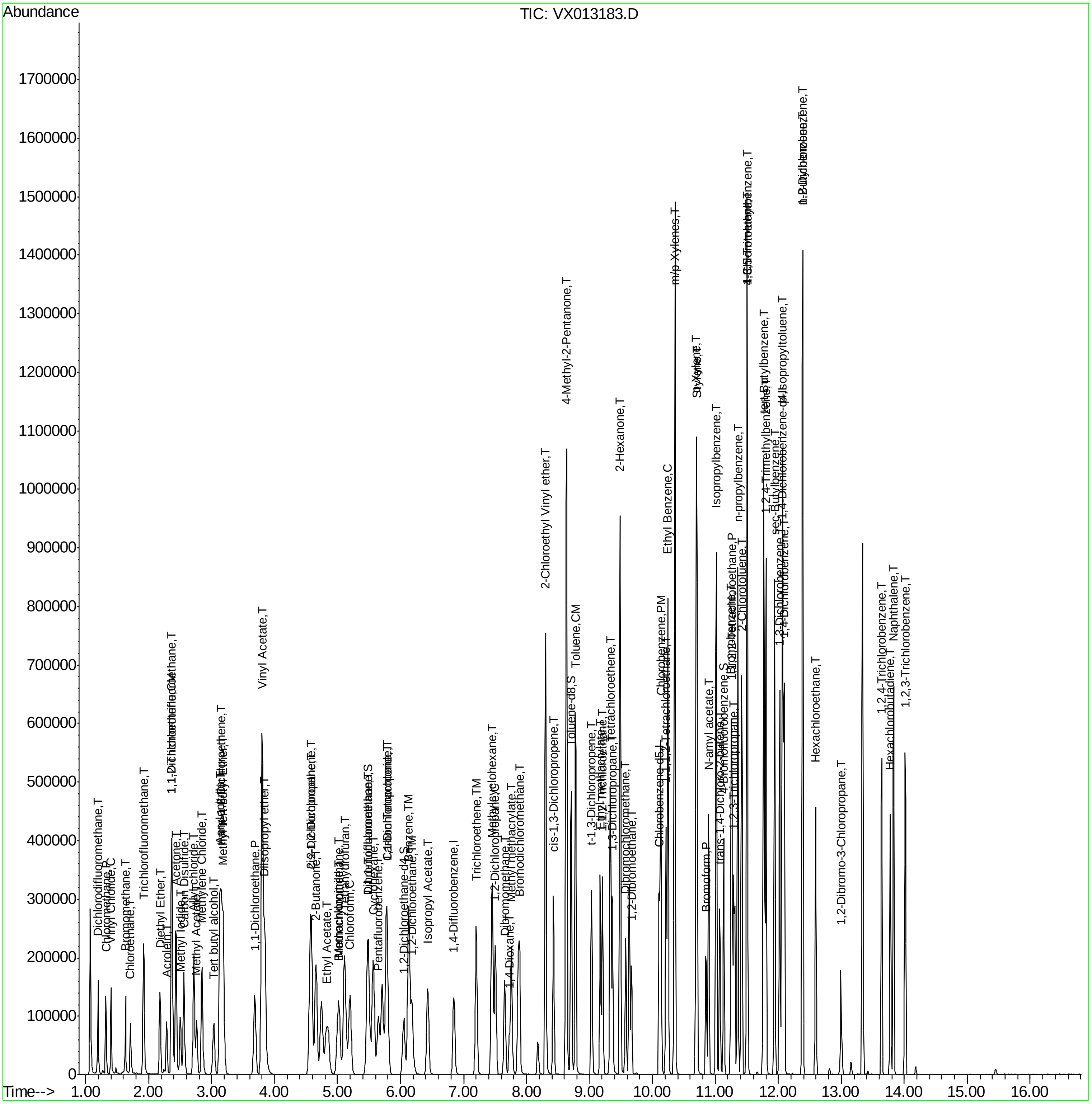
Quantitation Report (QT Reviewed)

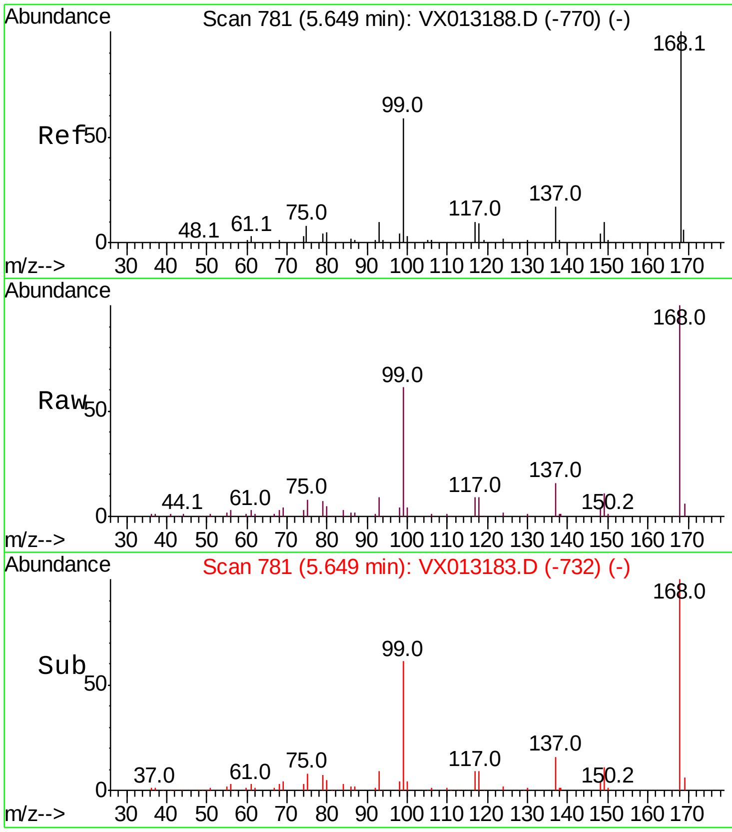
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102419\
Data File : VX013183.D
Acq On : 23 Oct 2019 09:38
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 2 Sample Multiplier: 1

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

**Manual Integrations APPROVED**
MMDadoda
10/25/2019 4:32:28 PM

Quant Time: Oct 24 04:06:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102419W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 24 03:56:38 2019
Response via : Initial Calibration






#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.00 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

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

Tgt Ion:168 Resp: 95077

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 60.6 | 47.0 | 70.4 |

**Manual Integrations APPROVED**
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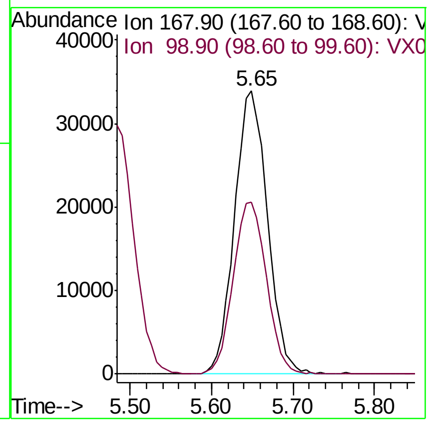
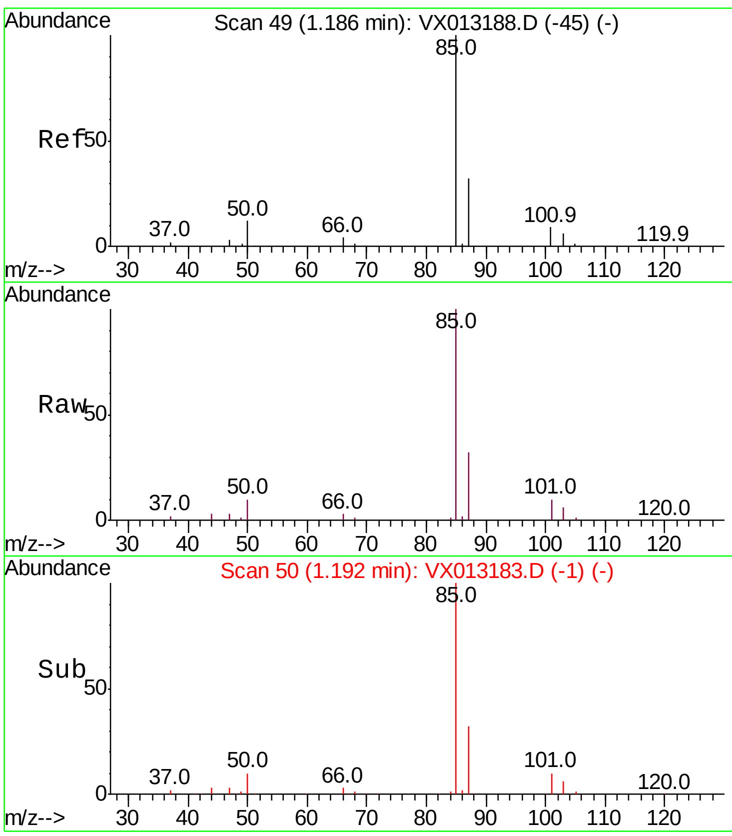
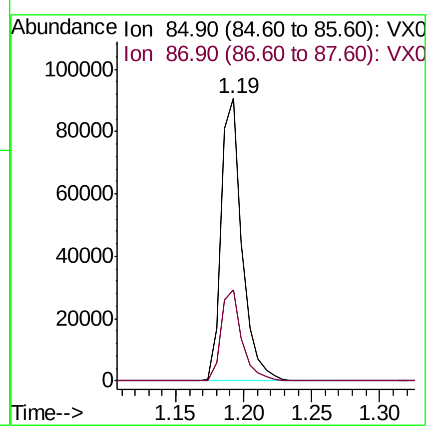


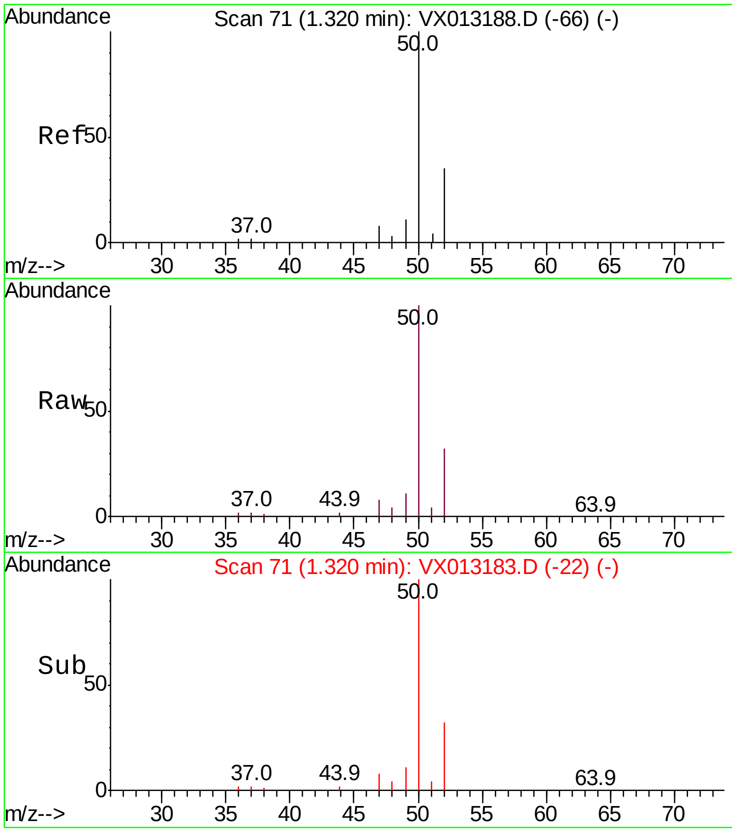




#2
Dichlorodifluoromethane
Concen: 50.554 ug/l
RT: 1.19 min Scan# 50
Delta R.T. 0.01 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

Tgt Ion: 85 Resp: 96986

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.1 | 16.2 | 48.6 |






#3
Chloromethane
Concen: 53.144 ug/l
RT: 1.32 min Scan# 71
Delta R.T. 0.00 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

Tgt Ion: 50 Resp: 84061

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.1 | 27.8 | 41.6 |

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

**Manual Integrations APPROVED**
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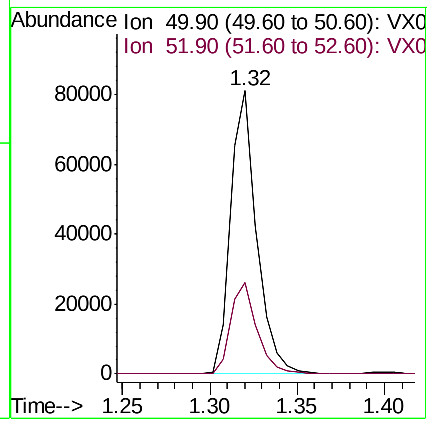
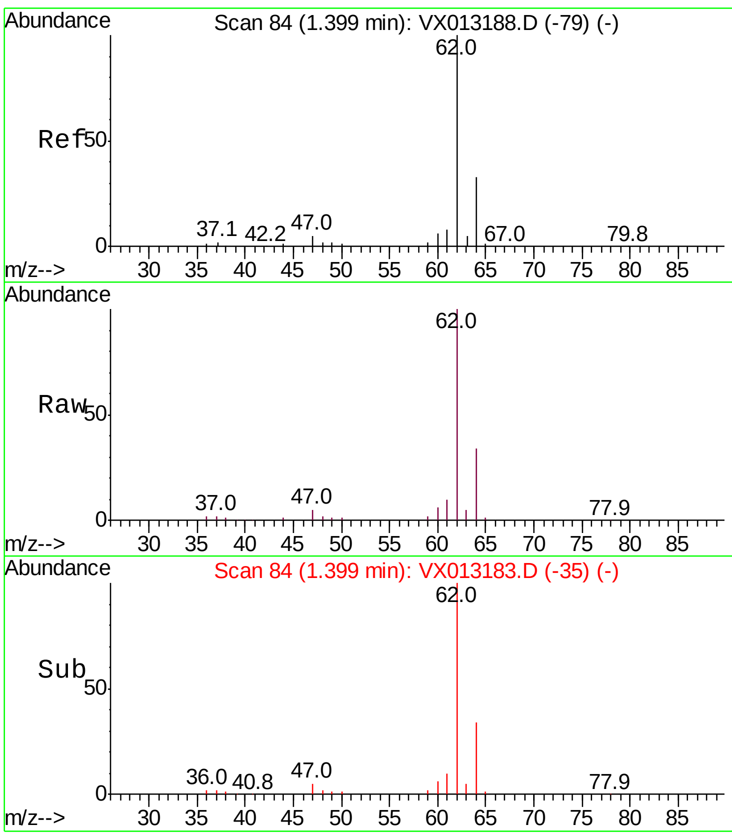
10/25/2019 4:32:28 PM

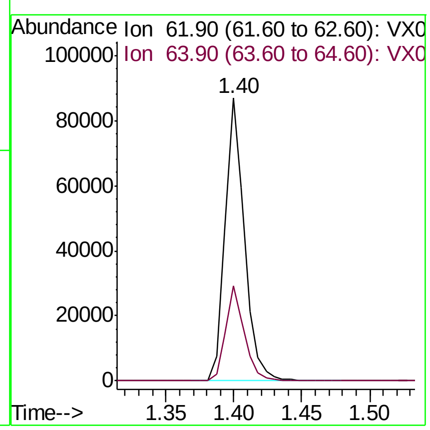


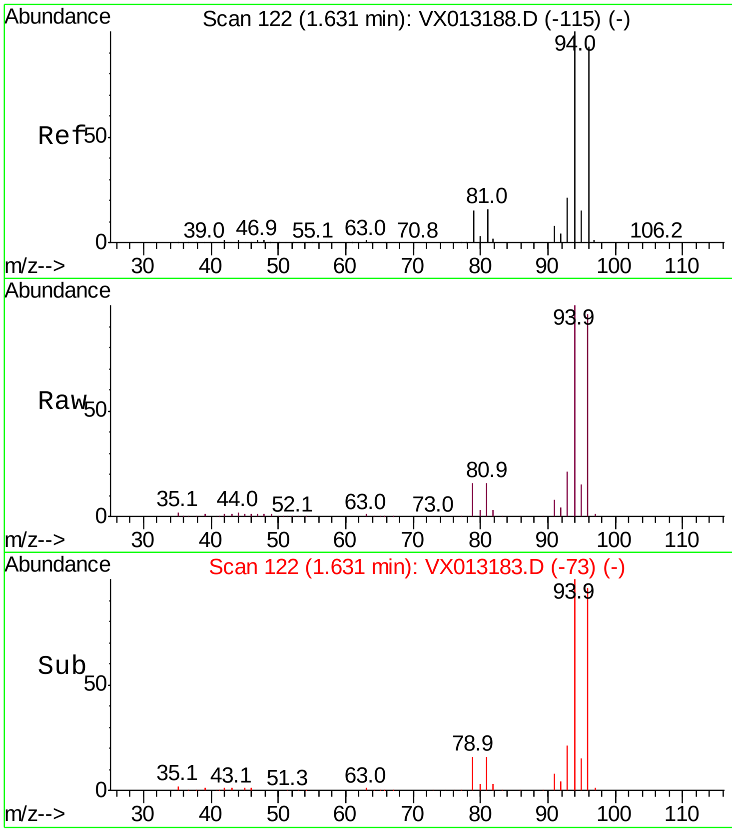




#4
Vinyl Chloride
Concen: 49.734 ug/l
RT: 1.40 min Scan# 84
Delta R.T. -0.00 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

Tgt Ion: 62 Resp: 85867

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 33.4 | 26.4 | 39.6 |






#5
Bromomethane
Concen: 48.602 ug/l
RT: 1.63 min Scan# 122
Delta R.T. -0.00 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

Tgt Ion: 94 Resp: 44476

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 96.0 | 74.2 | 111.2 |

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

**Manual Integrations APPROVED**
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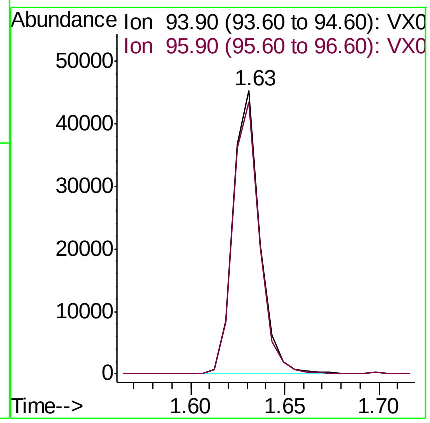
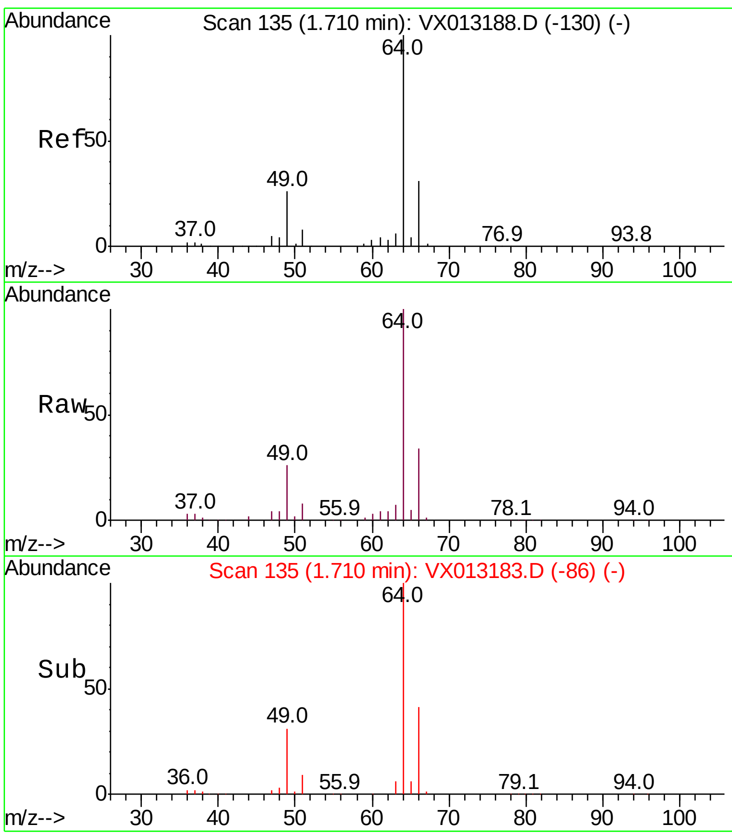
10/25/2019 4:32:28 PM

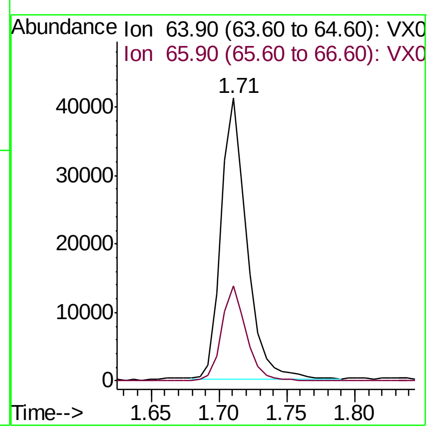


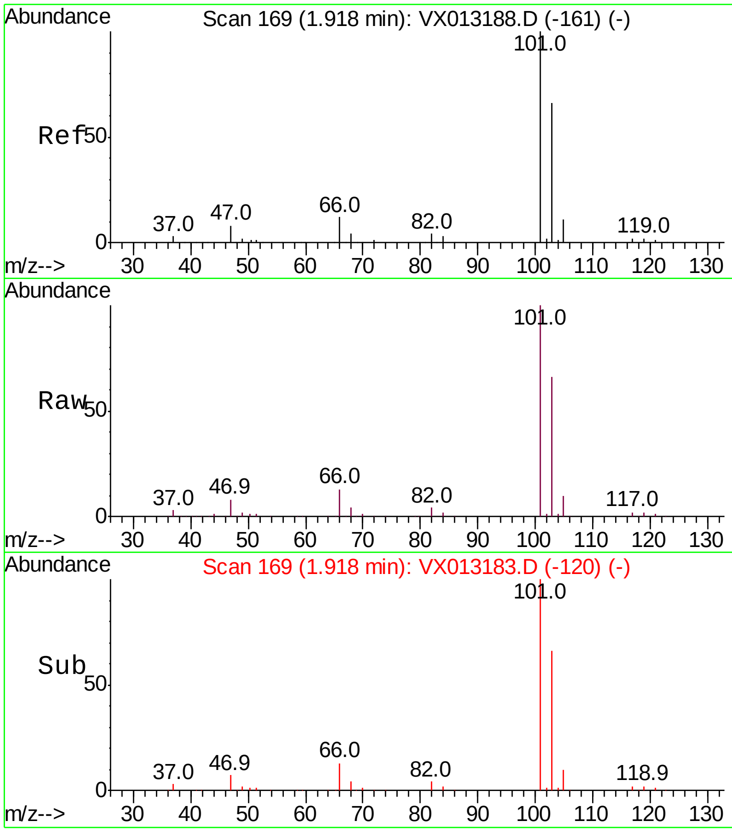




#6
Chloroethane
Concen: 55.794 ug/l
RT: 1.71 min Scan# 135
Delta R.T. 0.00 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

Tgt Ion: 64 Resp: 53623

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 33.9 | 25.0 | 37.6 |





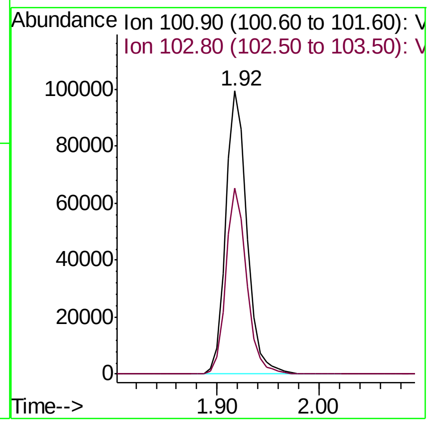

#7
Trichlorofluoromethane
Concen: 52.847 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

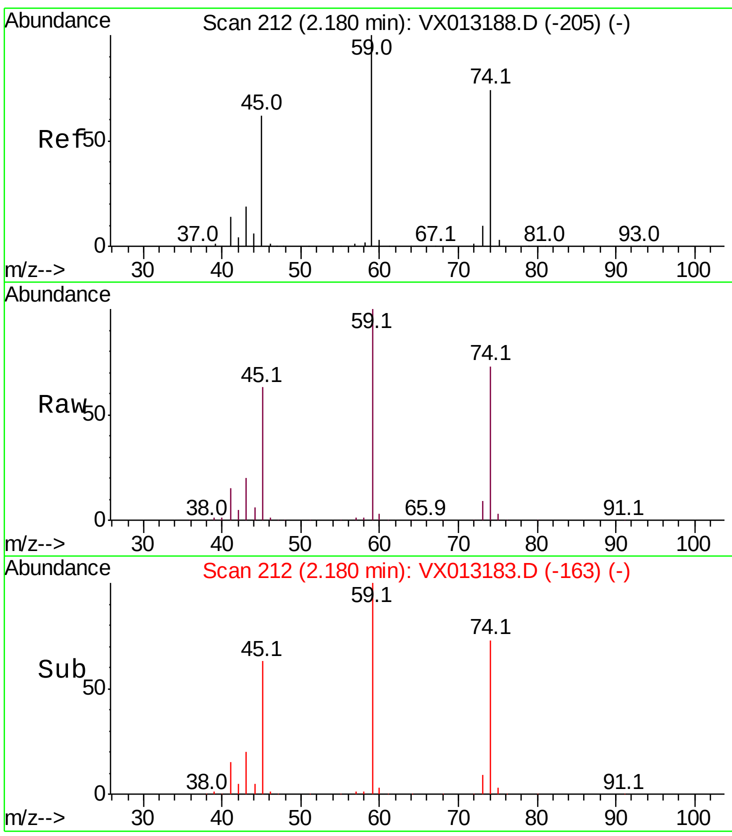
Tgt Ion:101 Resp: 144025

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.7 | 53.0 | 79.6 |

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

**Manual Integrations APPROVED**
MMDadoda
10/25/2019 4:32:28 PM

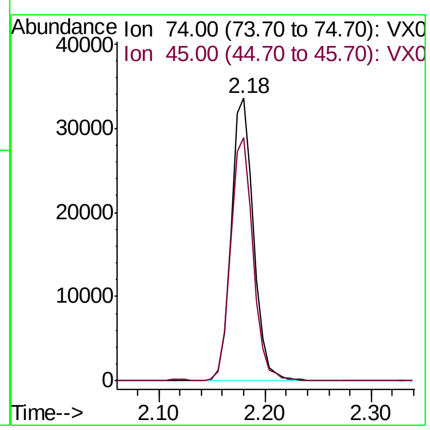


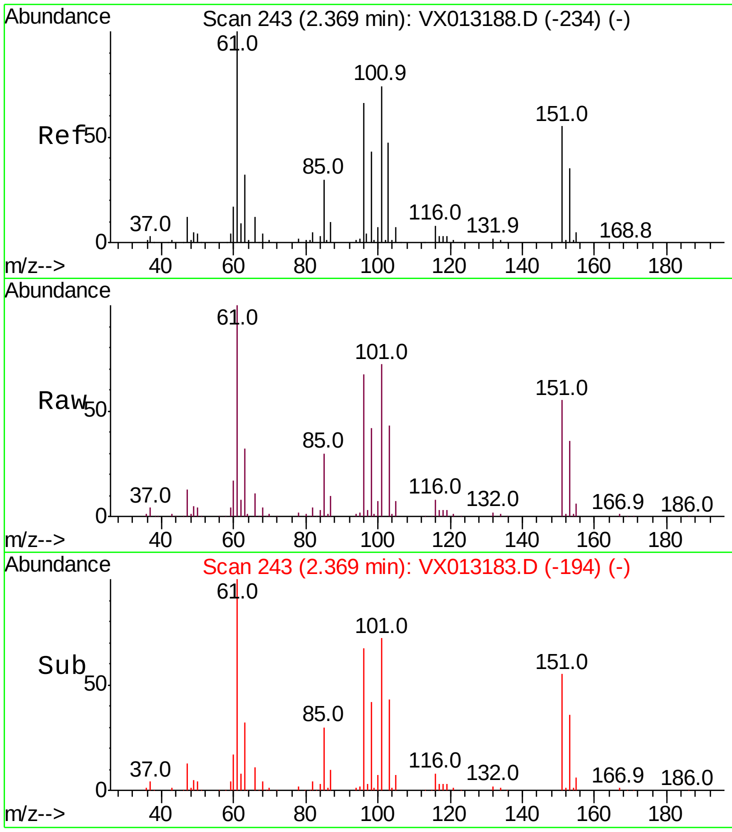




#8
Diethyl Ether
Concen: 52.935 ug/l
RT: 2.18 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

Tgt Ion: 74 Resp: 49462

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 86.7 | 44.8 | 134.3 |





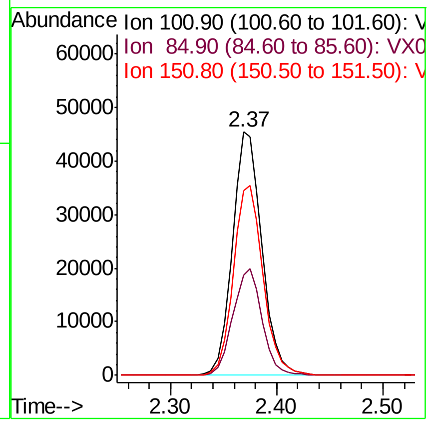

#9
1,1,2-Trichlorotrifluoroethane
Concen: 52.176 ug/l
RT: 2.37 min Scan# 243
Delta R.T. -0.00 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

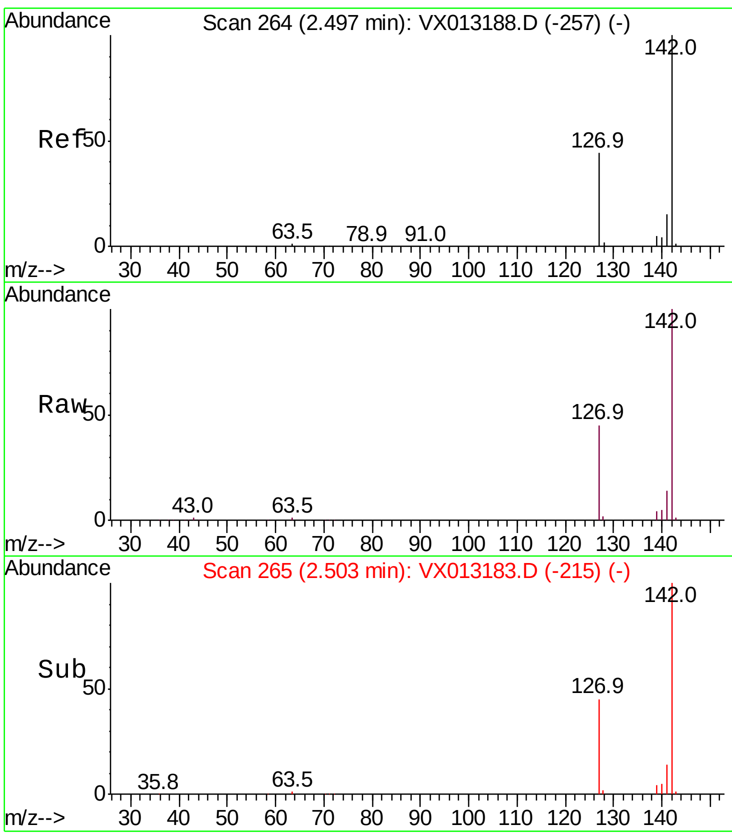
**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**
MMDadoda
10/25/2019 4:32:28 PM

Tgt Ion:101 Resp: 88034

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 43.6 | 34.0 | 51.0 |
| 151 | 78.6 | 62.0 | 93.0 |

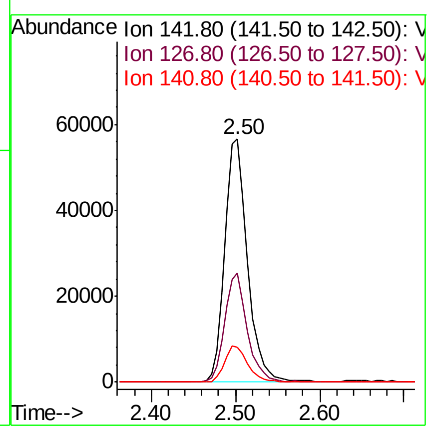


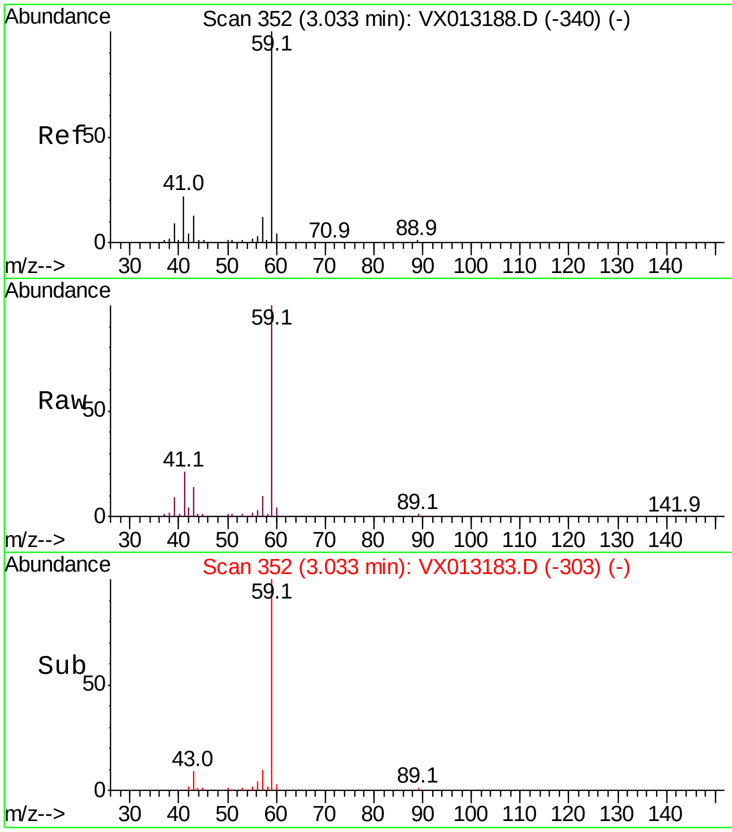




#10
Methyl Iodide
Concen: 49.865 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

Tgt Ion:142 Resp: 105976

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 43.8 | 35.6 | 53.4 |
| 141 | 14.9 | 11.6 | 17.4 |






#11
Tert butyl alcohol
Concen: 257.366 ug/l
RT: 3.03 min Scan# 352
Delta R.T. 0.00 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

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

**Manual Integrations APPROVED**
MMDadoda
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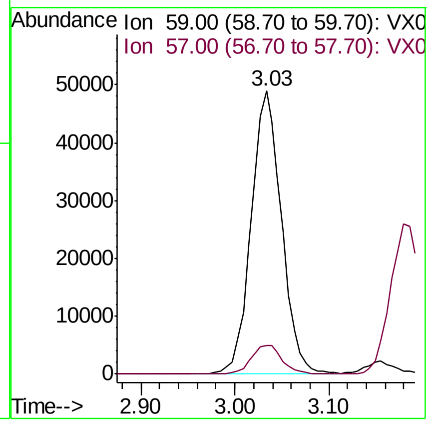
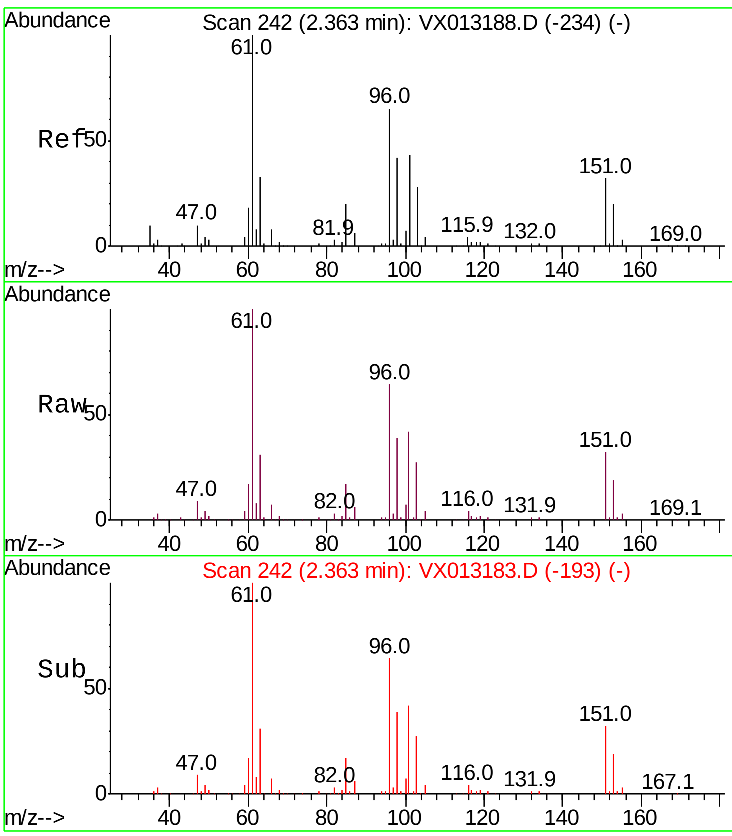
Tgt Ion: 59 Resp: 111016

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.3 | 8.2 | 12.4 |

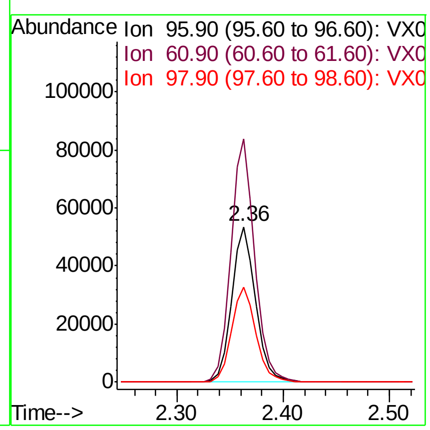


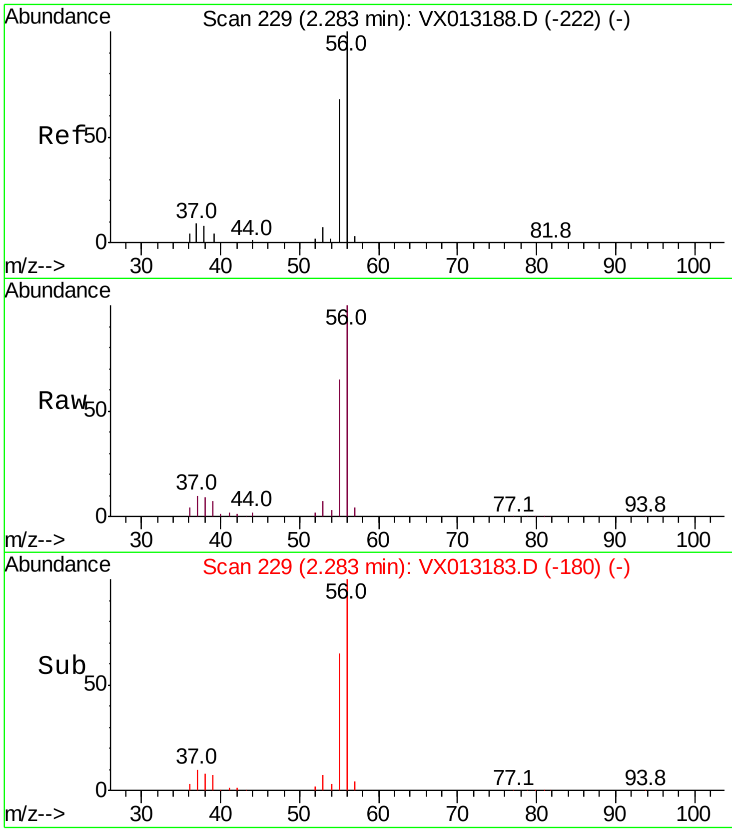




#12
1,1-Dichloroethene
Concen: 52.030 ug/l
RT: 2.36 min Scan# 242
Delta R.T. -0.00 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

Tgt Ion: 96 Resp: 84269

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 156.7 | 123.8 | 185.8 |
| 98 | 61.5 | 51.6 | 77.4 |






#13
Acrolein
Concen: 265.986 ug/l
RT: 2.28 min Scan# 229
Delta R.T. -0.00 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

Tgt Ion: 56 Resp: 62058

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 69.8 | 58.9 | 88.3 |

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

**Manual Integrations APPROVED**
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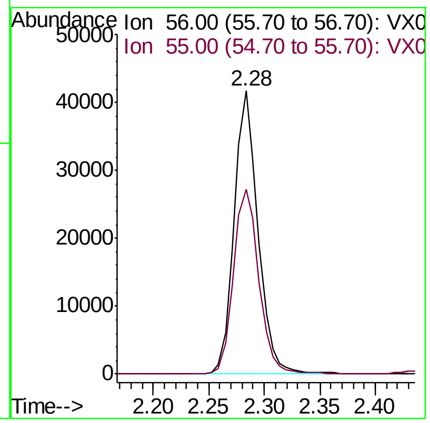
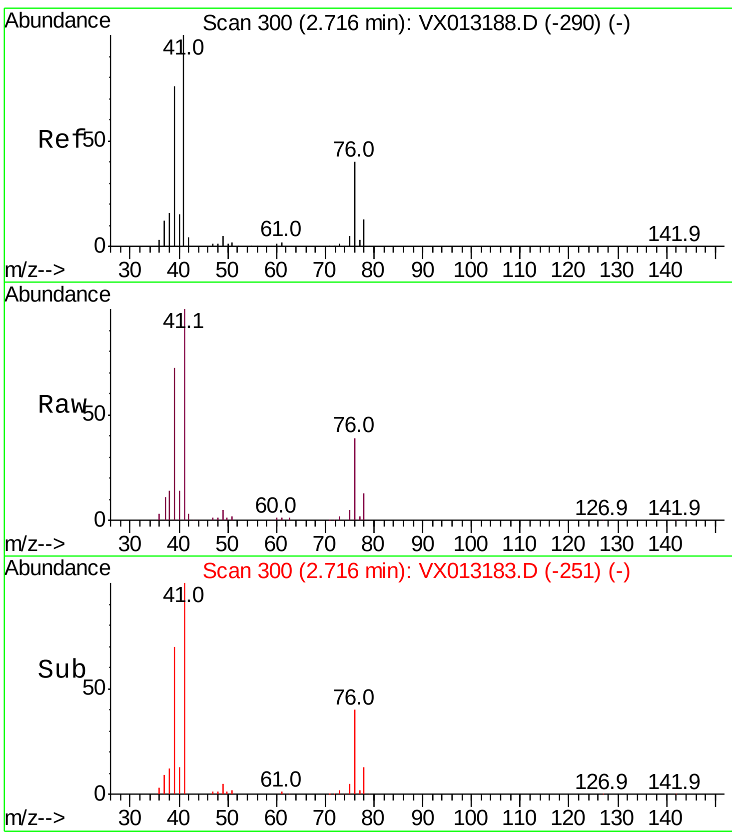
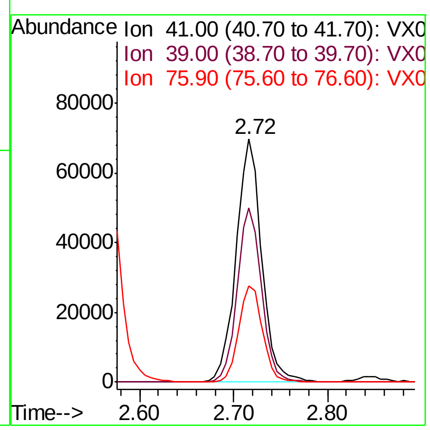


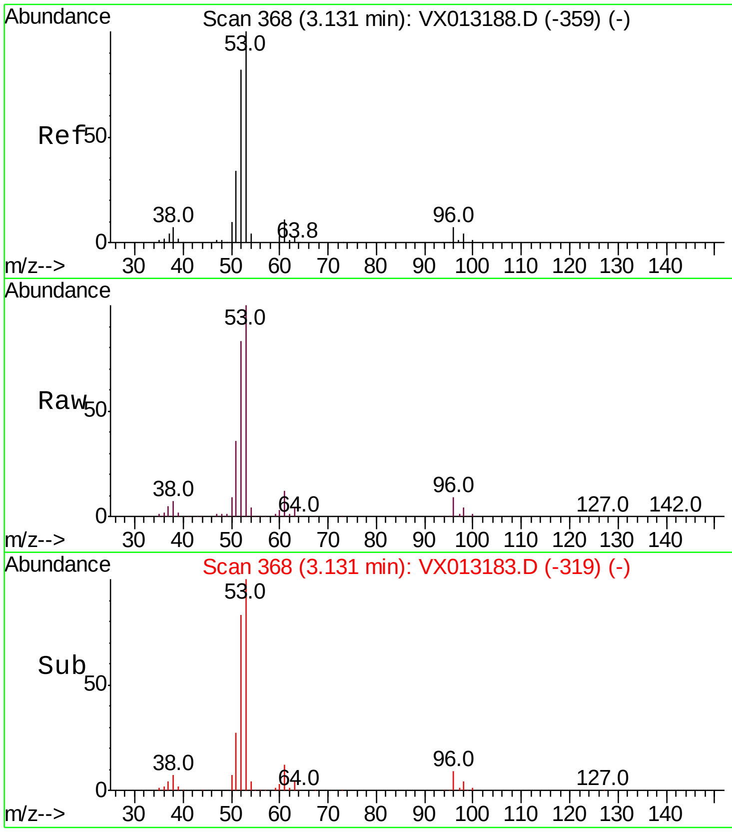




#14
Allyl chloride
Concen: 51.777 ug/l
RT: 2.72 min Scan# 300
Delta R.T. -0.00 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

Tgt Ion: 41 Resp: 132023

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 68.0 | 54.6 | 81.8 |
| 76 | 37.0 | 29.8 | 44.6 |






#15
Acrylonitrile
Concen: 246.856 ug/l
RT: 3.13 min Scan# 368
Delta R.T. -0.00 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

| Tgt Ion: 53 | Resp: | 216375 | |
|---|---|---|---|
| Ion | Ratio | Lower | Upper |
| 53 | 100 | | |
| 52 | 82.7 | 66.4 | 99.6 |
| 51 | 36.8 | 29.4 | 44.2 |

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

**Manual Integrations APPROVED**
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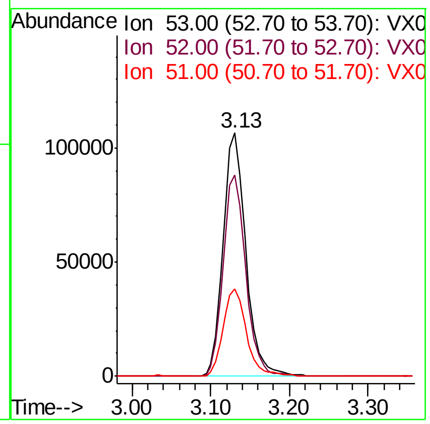
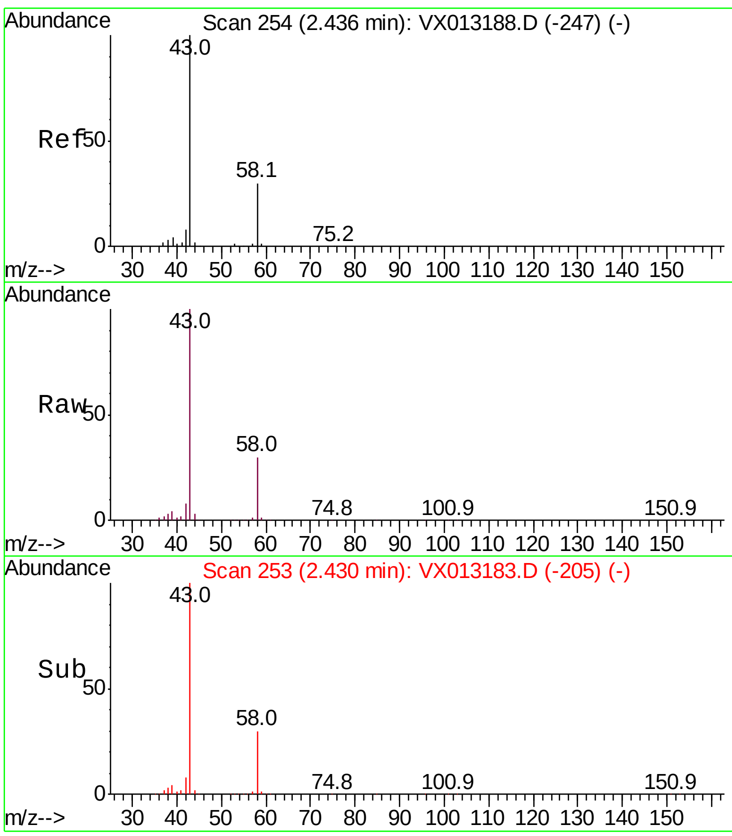
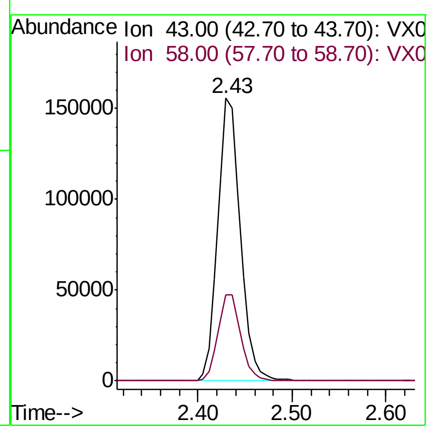
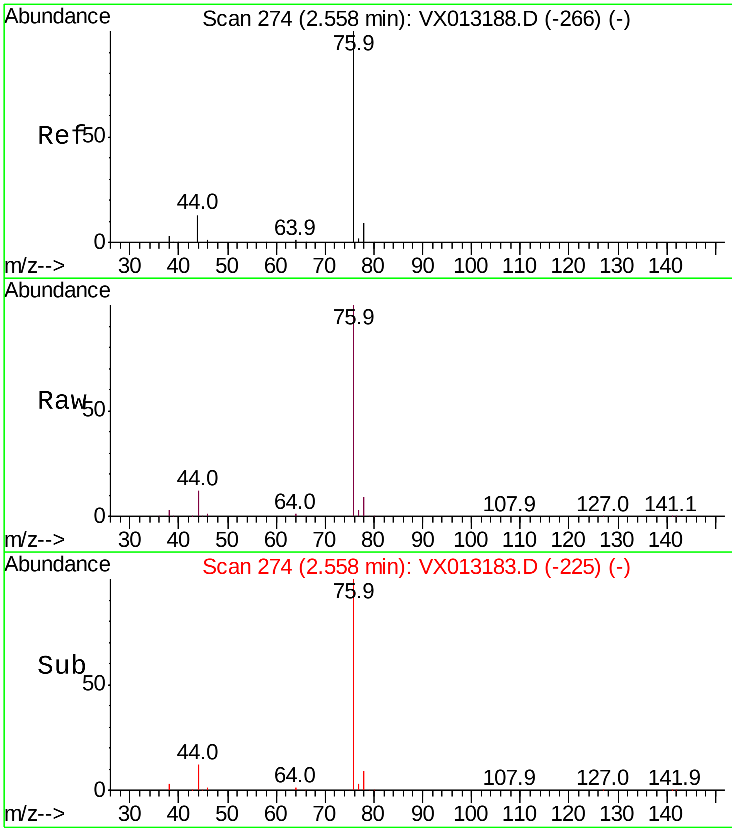



#16
Acetone
Concen: 277.684 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.01 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

| Tgt Ion: 43 | Resp: | 260152 | |
|---|---|---|---|
| Ion | Ratio | Lower | Upper |
| 43 | 100 | | |
| 58 | 30.5 | 23.8 | 35.6 |






#17
Carbon Disulfide
Concen: 51.229 ug/l
RT: 2.56 min Scan# 274
Delta R.T. -0.00 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

Tgt Ion: 76 Resp: 223070

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.3 | 7.4 | 11.2 |

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

**Manual Integrations APPROVED**
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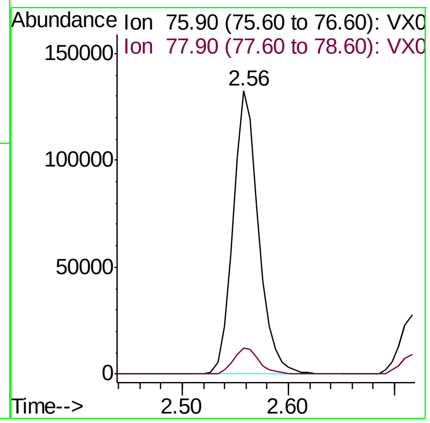
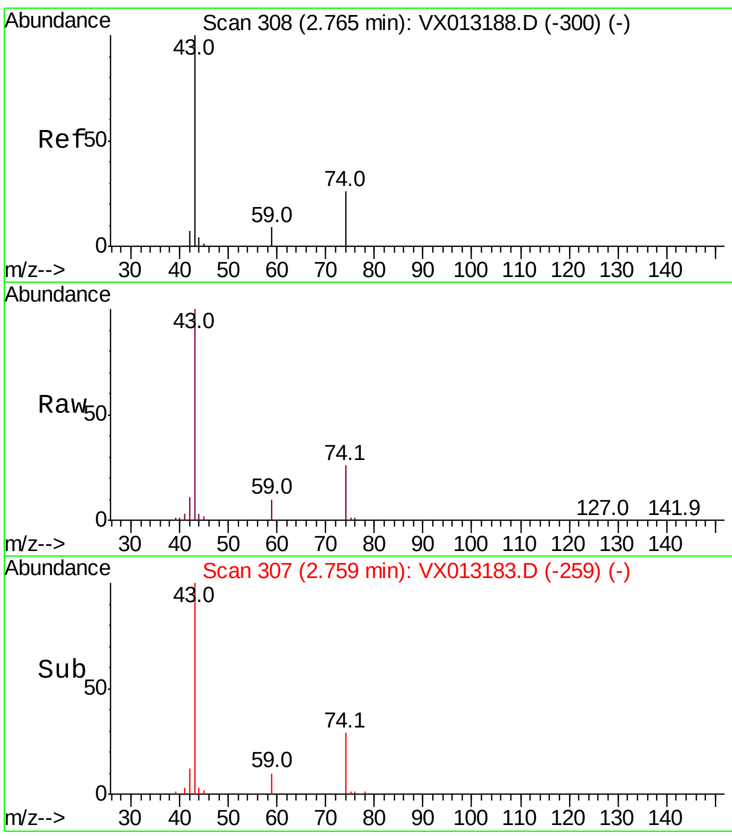
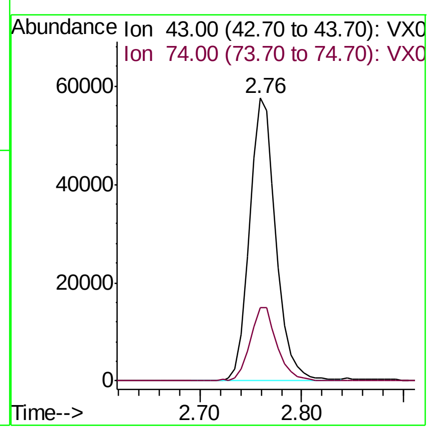


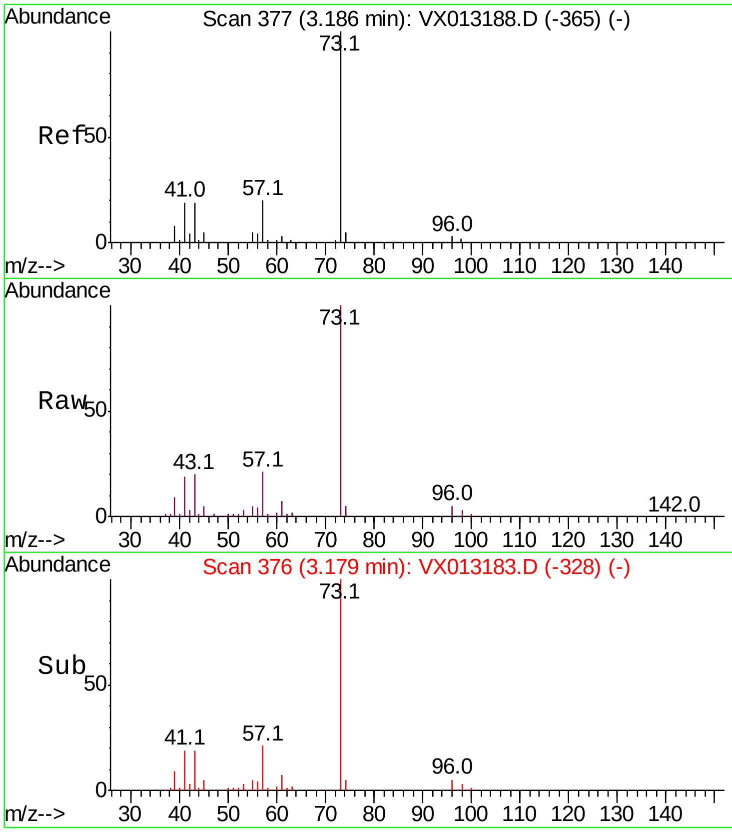




#18
Methyl Acetate
Concen: 50.739 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.01 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

Tgt Ion: 43 Resp: 103827

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 26.9 | 20.9 | 31.3 |






#19
Methyl tert-butyl Ether
Concen: 50.317 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

Tgt Ion: 73 Resp: 286983

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.0 | 15.8 | 23.8 |

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

**Manual Integrations APPROVED**
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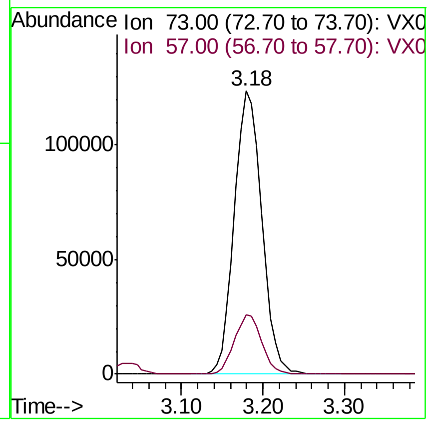
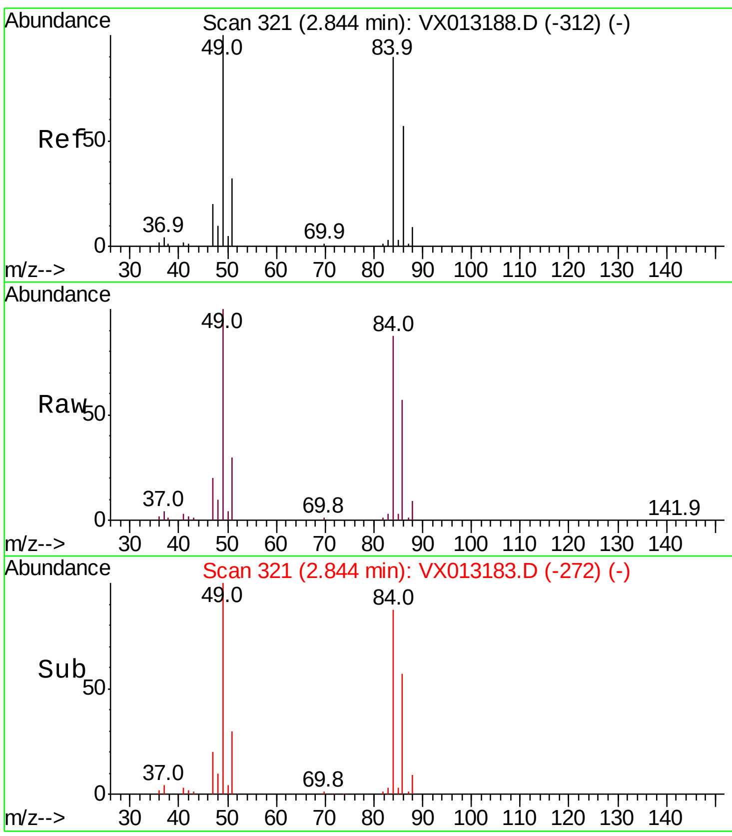
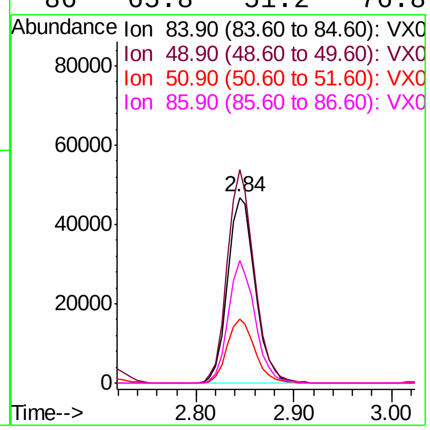


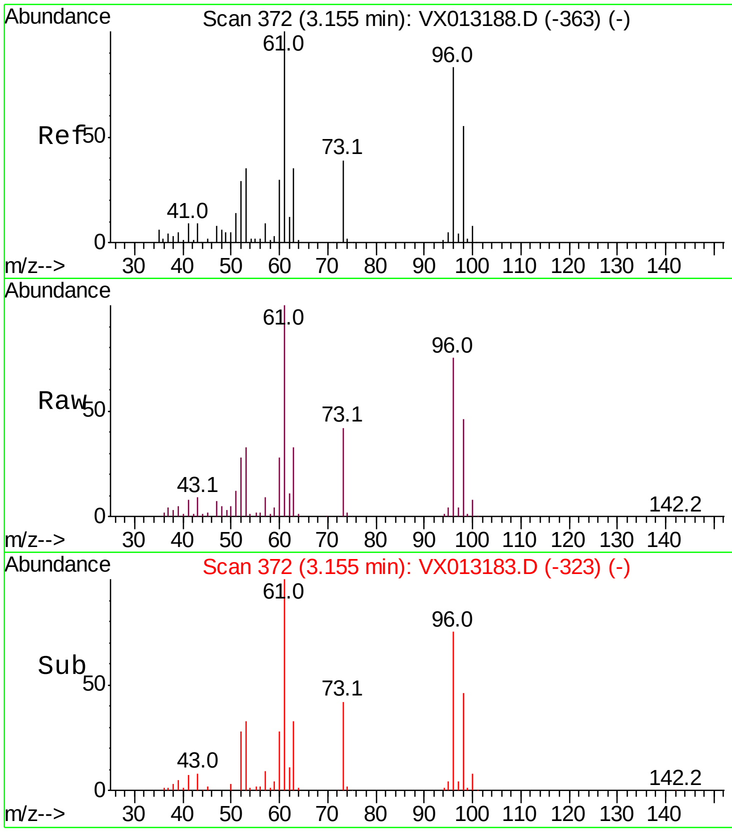




#20
Methylene Chloride
Concen: 52.378 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

Tgt Ion: 84 Resp: 91789

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 114.8 | 89.2 | 133.8 |
| 51 | 34.5 | 28.8 | 43.2 |
| 86 | 65.8 | 51.2 | 76.8 |






#21
trans-1,2-Dichloroethene
Concen:   52.515 ug/l
RT: 3.16 min   Scan# 372
Delta R.T.   0.00 min
Lab File:   VX013183.D
Acq: 23 Oct 2019   09:38

Tgt Ion: 96 Resp:   88538

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 133.0 | 96.9 | 145.3 |
| 98 | 60.9 | 53.0 | 79.4 |

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

**Manual Integrations APPROVED**
MMDadoda
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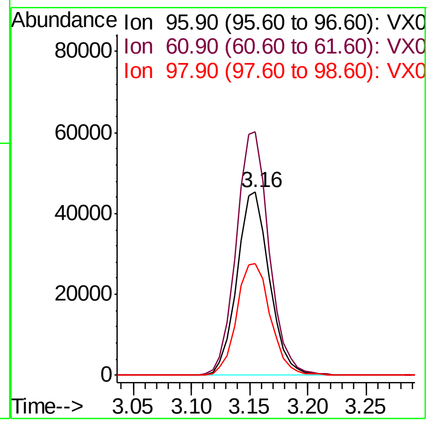
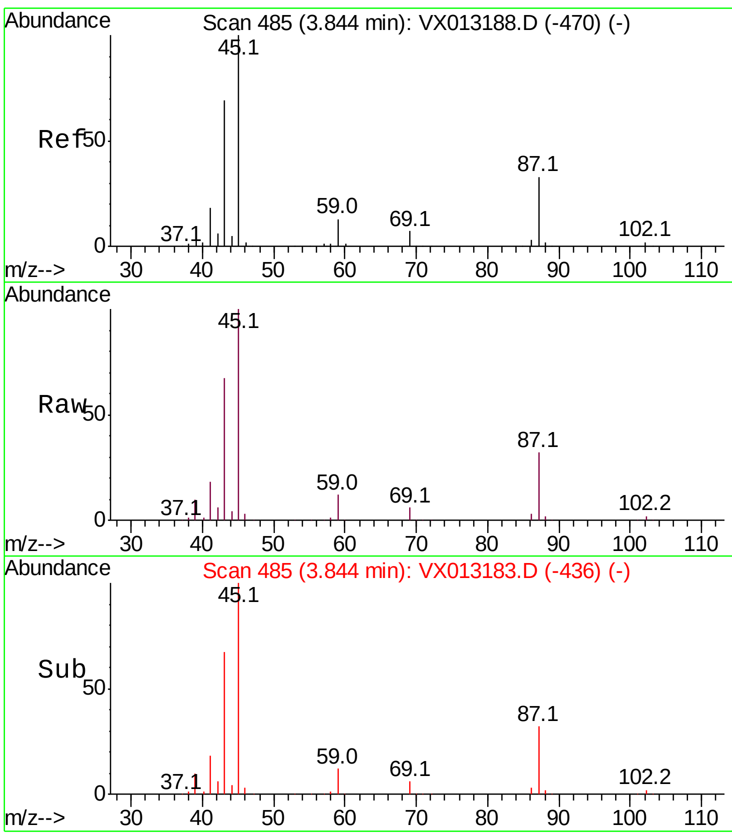
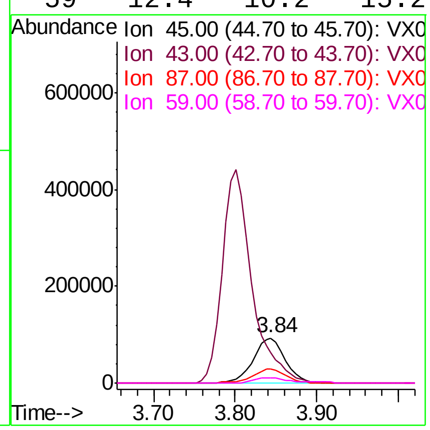


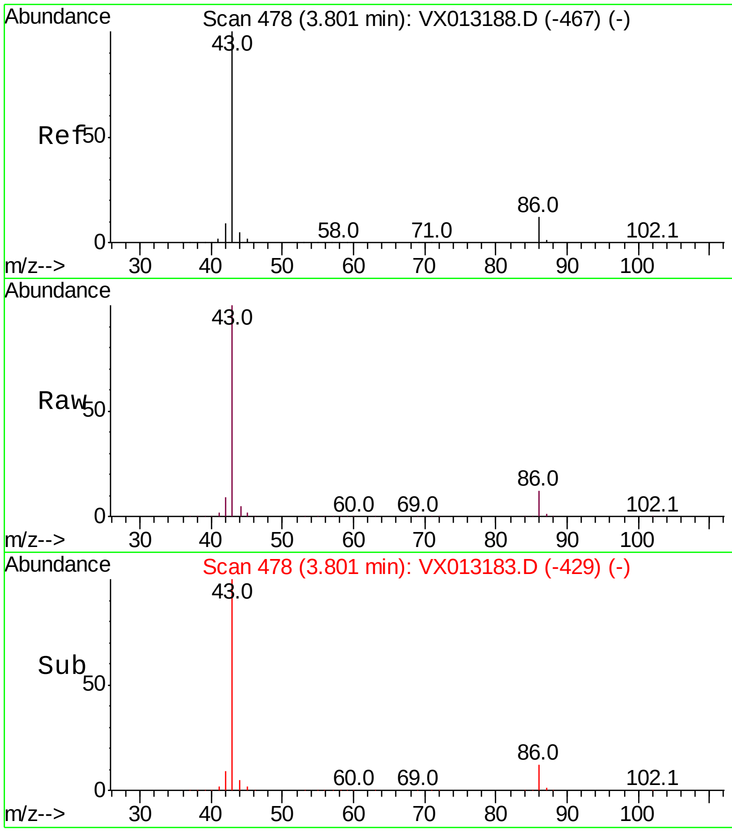




#22
Diisopropyl ether
Concen:   50.862 ug/l
RT: 3.84 min   Scan# 485
Delta R.T.   -0.00 min
Lab File:   VX013183.D
Acq: 23 Oct 2019   09:38

Tgt Ion: 45 Resp:   253579

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 67.0 | 55.5 | 83.3 |
| 87 | 31.8 | 26.7 | 40.1 |
| 59 | 12.4 | 10.2 | 15.2 |






#23
Vinyl Acetate
Concen: 264.525 ug/l
RT: 3.80 min Scan# 478
Delta R.T. -0.00 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

Tgt Ion: 43 Resp: 1120948

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 12.1 | 9.7 | 14.5 |

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

**Manual Integrations APPROVED**
MMDadoda
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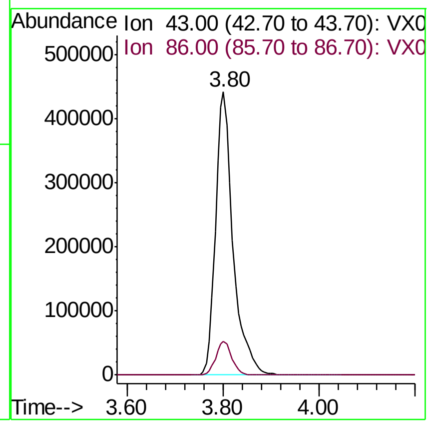
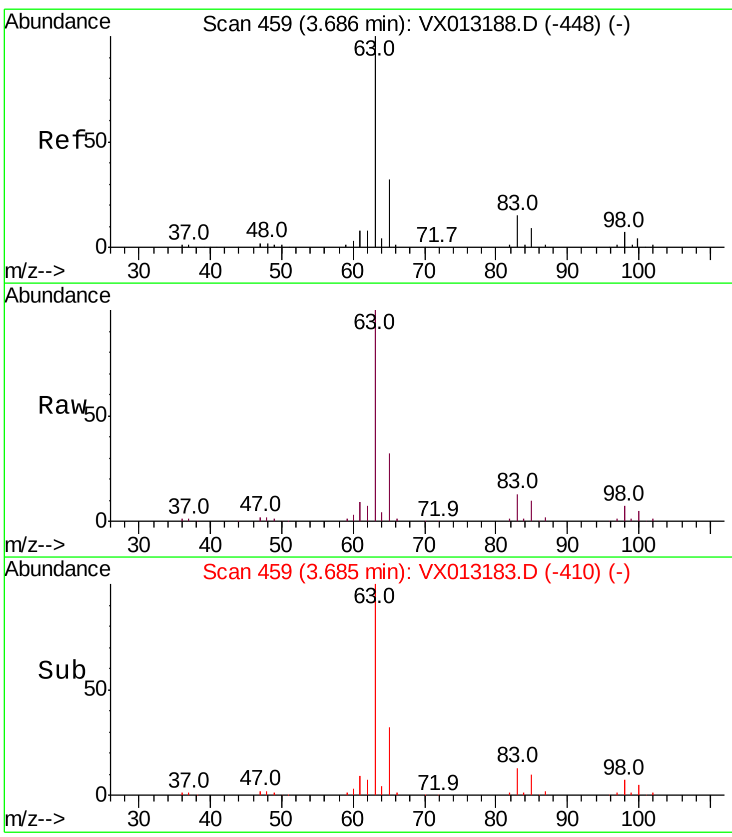
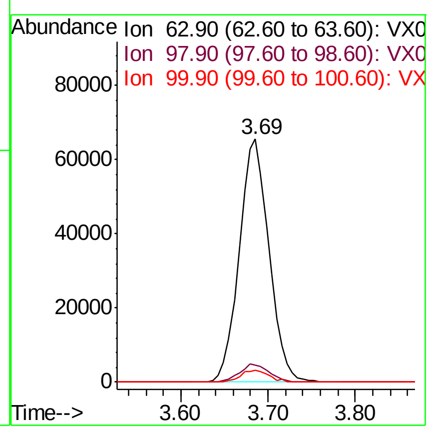


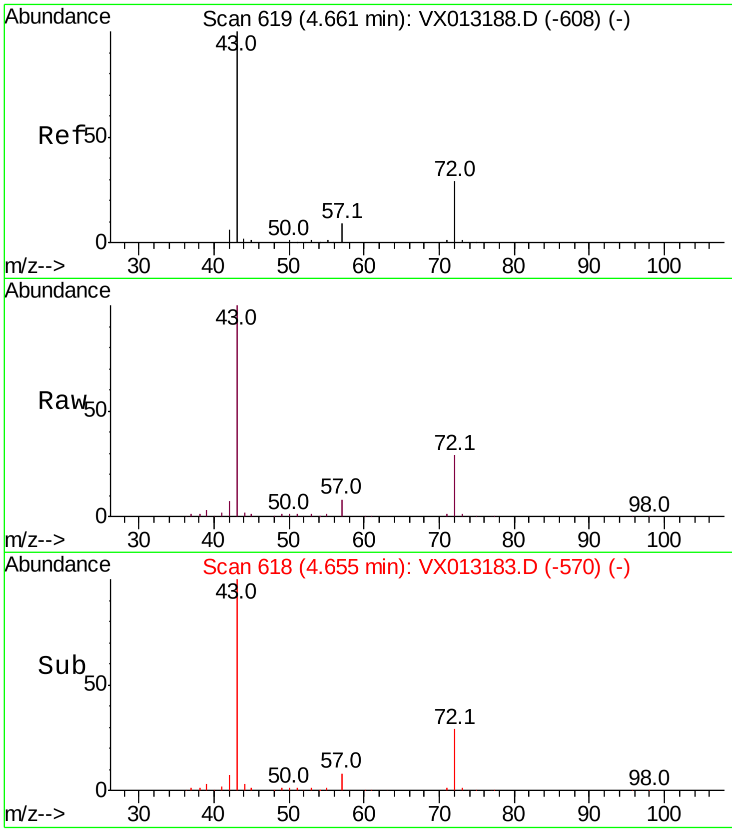




#24
1,1-Dichloroethane
Concen: 50.492 ug/l
RT: 3.69 min Scan# 459
Delta R.T. -0.00 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

Tgt Ion: 63 Resp: 154839

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.2 | 3.8 | 11.2 |
| 100 | 5.0 | 2.2 | 6.6 |






#25
2-Butanone
Concen: 255.743 ug/l
RT: 4.65 min Scan# 618
Delta R.T. -0.01 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

Tgt Ion: 43 Resp: 321323

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 28.6 | 23.4 | 35.2 |

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

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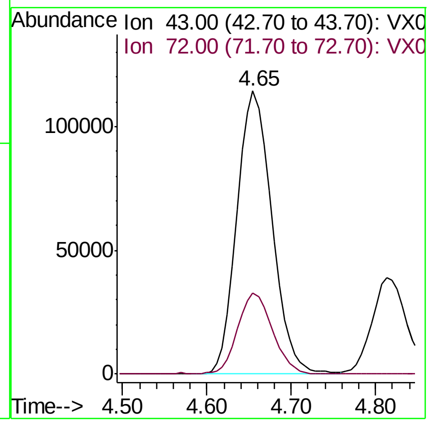
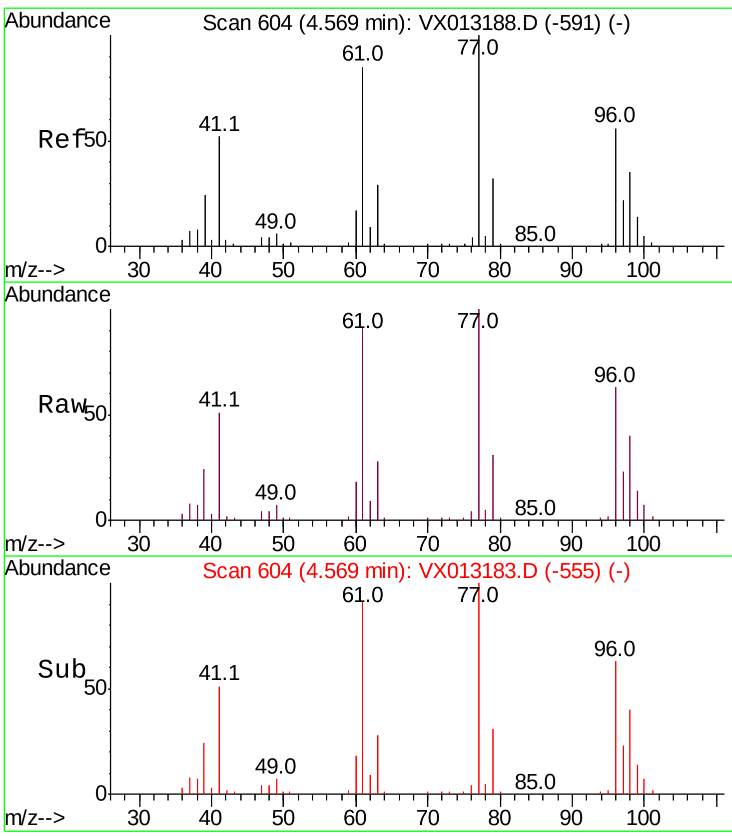
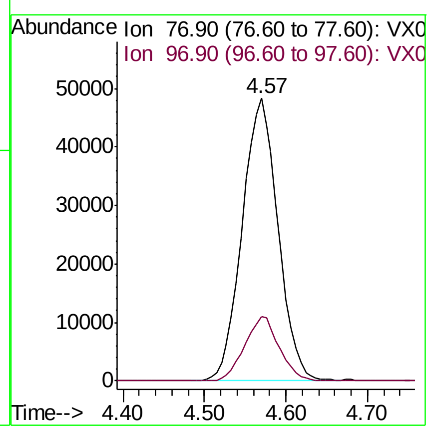


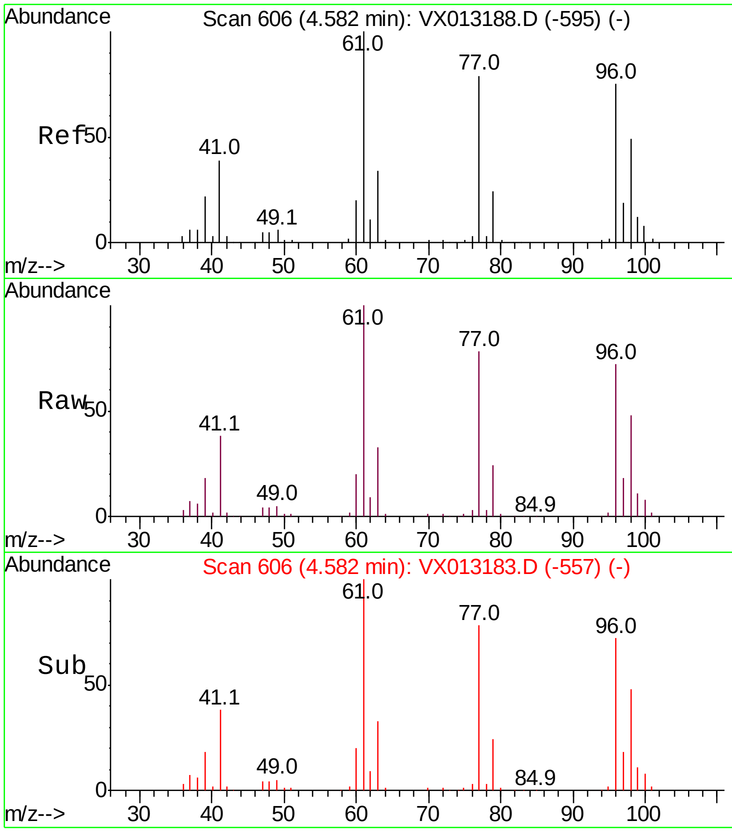




#26
2,2-Dichloropropane
Concen: 52.137 ug/l
RT: 4.57 min Scan# 604
Delta R.T. -0.00 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

Tgt Ion: 77 Resp: 147764

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.0 | 10.9 | 32.6 |






#27
cis-1,2-Dichloroethene
Concen:   50.545 ug/l
RT: 4.58 min   Scan# 606
Delta R.T.   -0.00 min
Lab File:   VX013183.D
Acq: 23 Oct 2019   09:38

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

**Manual Integrations APPROVED**
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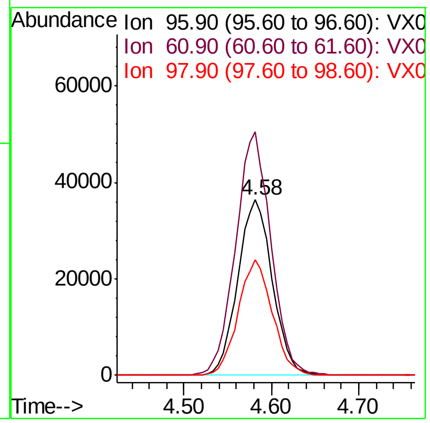
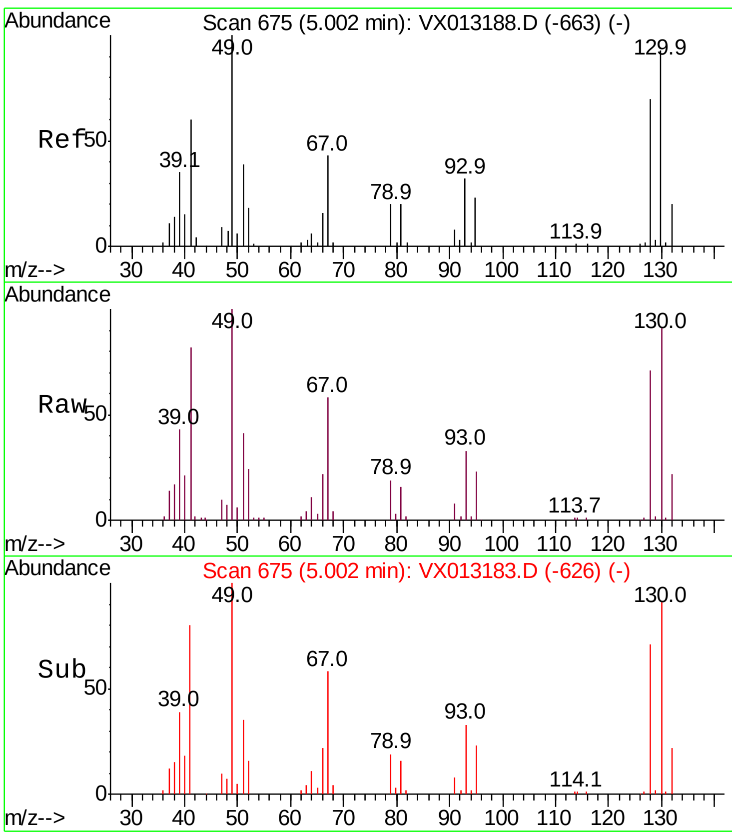
Tgt Ion: 96 Resp: 100258

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 142.2 | 0.0 | 290.4 |
| 98 | 65.2 | 0.0 | 130.4 |

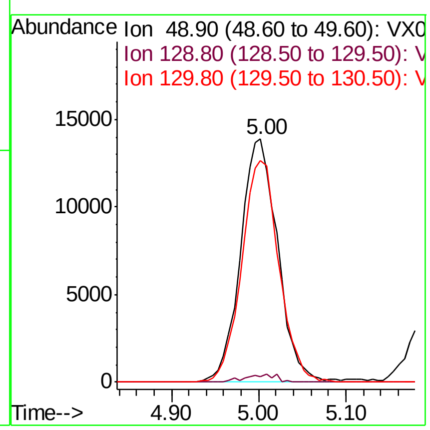


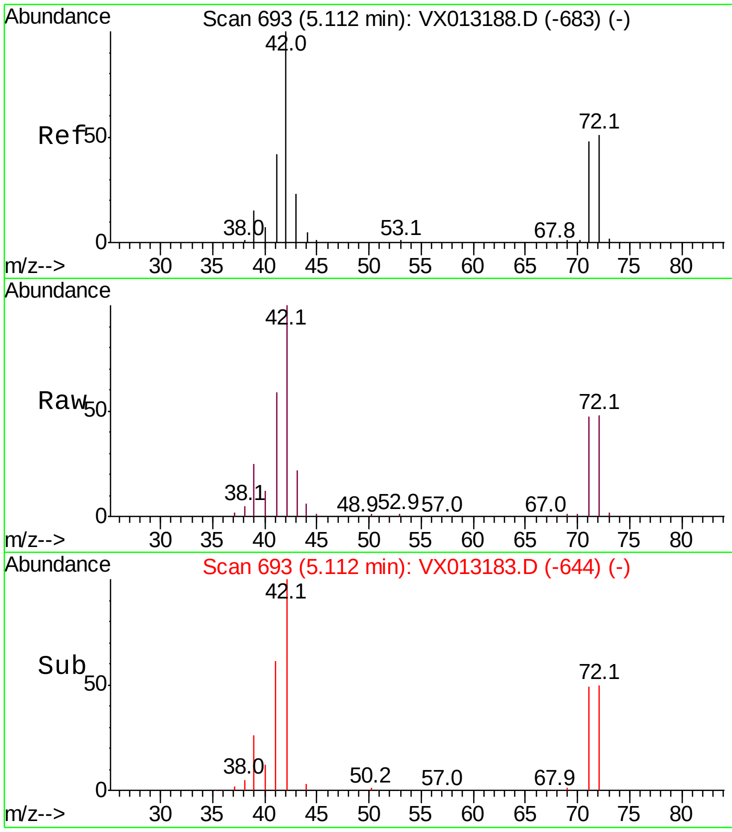




#28
Bromochloromethane
Concen:   52.007 ug/l
RT: 5.00 min   Scan# 675
Delta R.T.   -0.00 min
Lab File:   VX013183.D
Acq: 23 Oct 2019   09:38

Tgt Ion: 49 Resp: 41124

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.5 | 0.0 | 4.8 |
| 130 | 91.1 | 71.8 | 107.8 |






#29
Tetrahydrofuran
Concen: 243.569 ug/l
RT: 5.11 min Scan# 693
Delta R.T. -0.00 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

Tgt Ion: 42 Resp: 184462

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 49.7 | 40.9 | 61.3 |
| 71 | 47.1 | 38.6 | 57.8 |

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

**Manual Integrations APPROVED**
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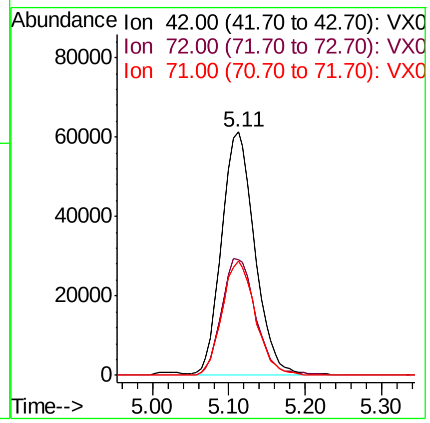
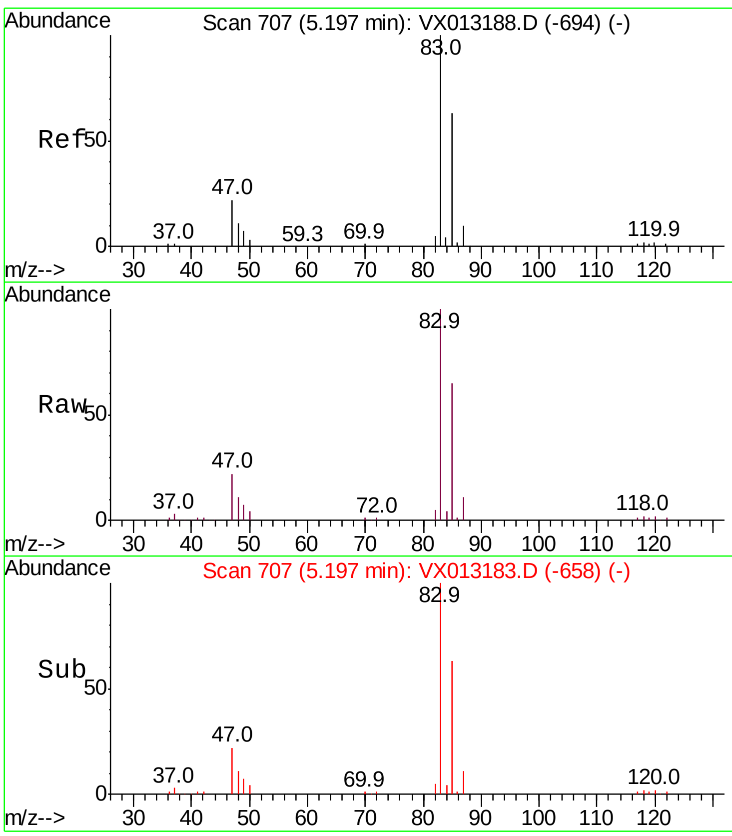
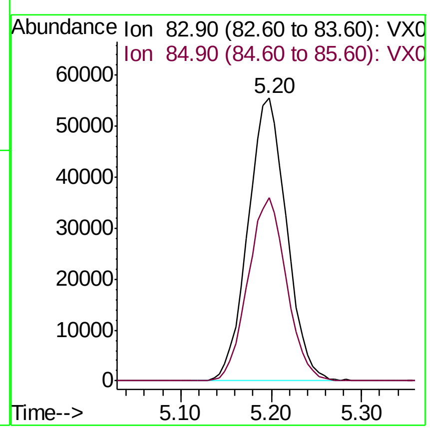


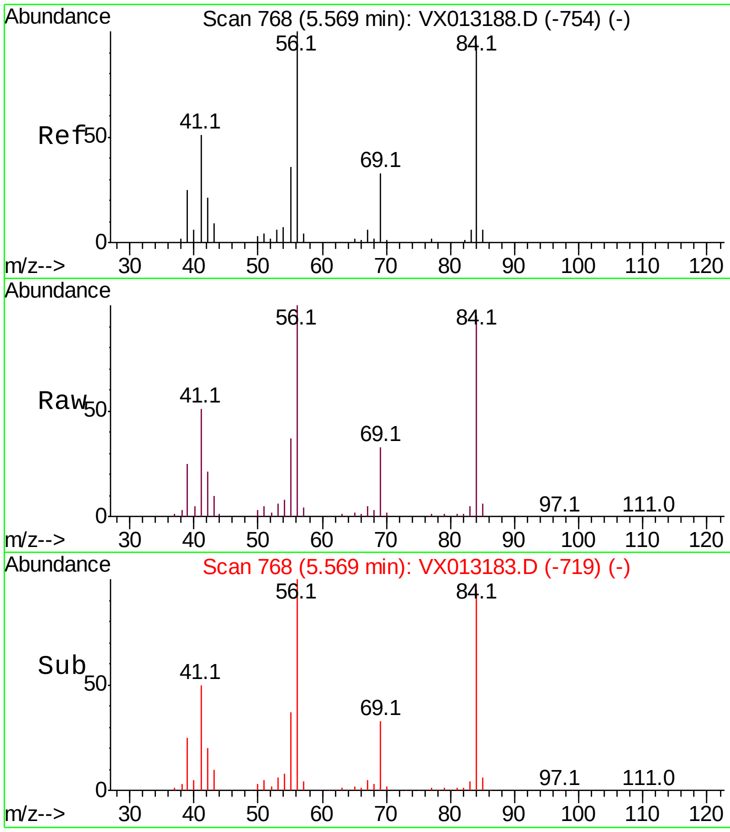




#30
Chloroform
Concen: 50.257 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.00 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

Tgt Ion: 83 Resp: 164091

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.7 | 50.1 | 75.1 |





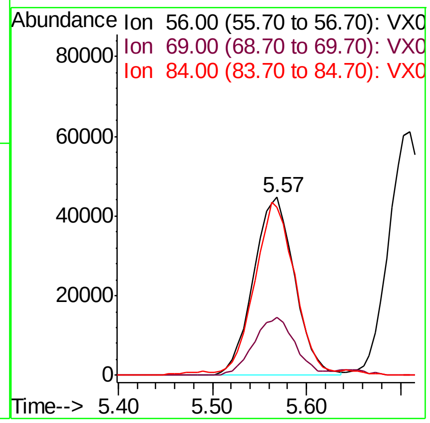

#31
Cyclohexane
Concen: 53.275 ug/l
RT: 5.57 min Scan# 768
Delta R.T. -0.00 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

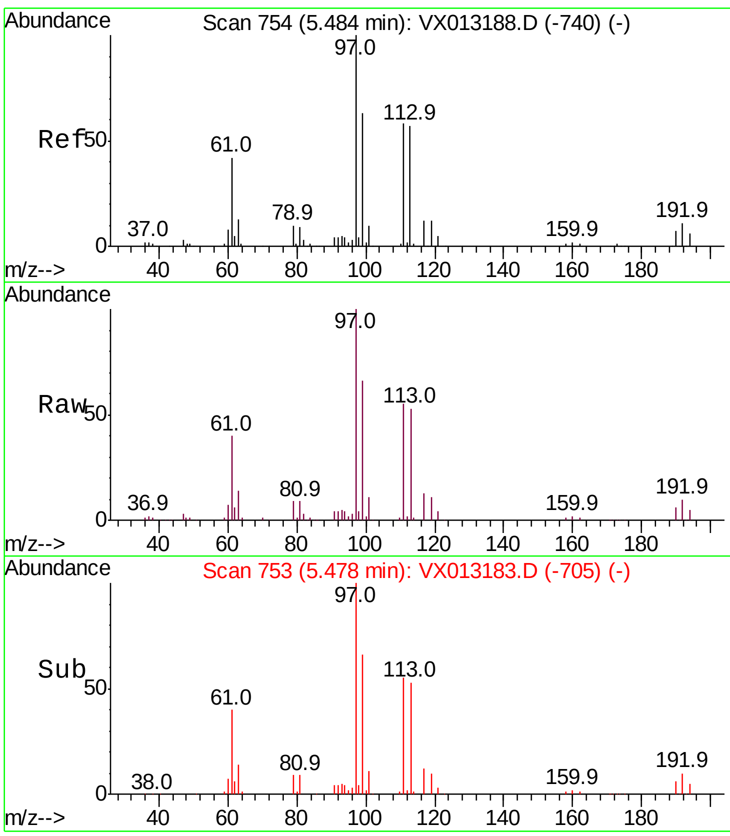
**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**
MMDadoda
10/25/2019 4:32:28 PM

Tgt Ion: 56 Resp: 137009

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 32.9 | 26.3 | 39.5 |
| 84 | 93.0 | 73.8 | 110.6 |

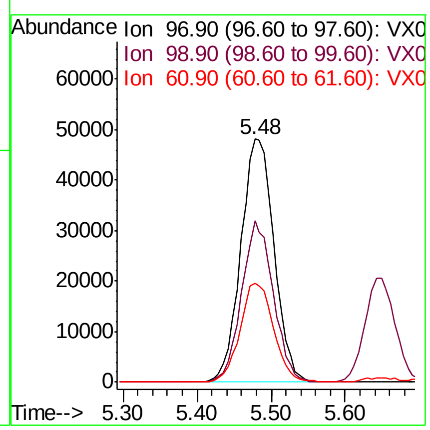


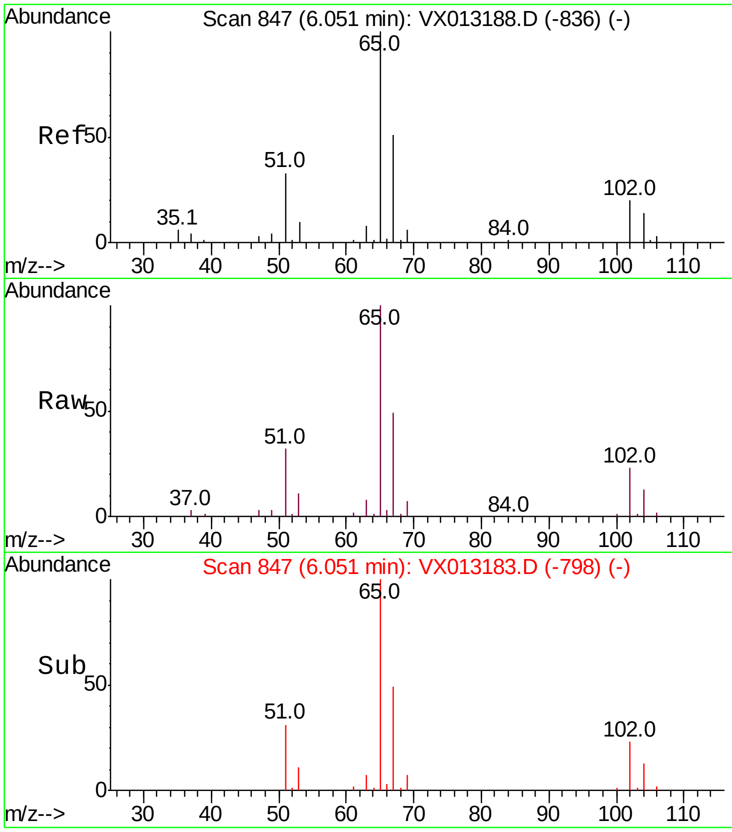




#32
1,1,1-Trichloroethane
Concen: 52.092 ug/l
RT: 5.48 min Scan# 753
Delta R.T. -0.01 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

Tgt Ion: 97 Resp: 151226

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.2 | 50.8 | 76.2 |
| 61 | 41.1 | 32.8 | 49.2 |






#33
1,2-Dichloroethane-d4
Concen: 48.413 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

Tgt Ion: 65 Resp: 96274

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.9 | 0.0 | 102.6 |

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

**Manual Integrations APPROVED**
MMDadoda
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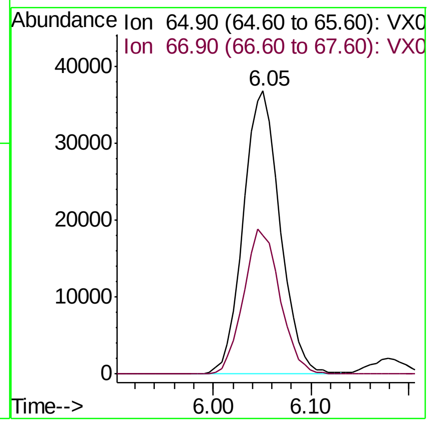
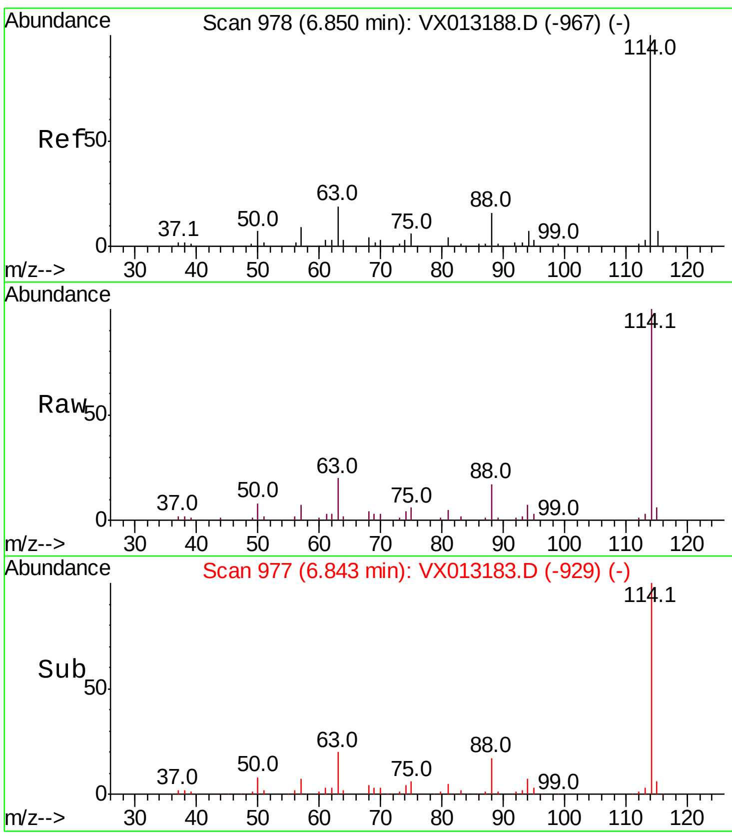
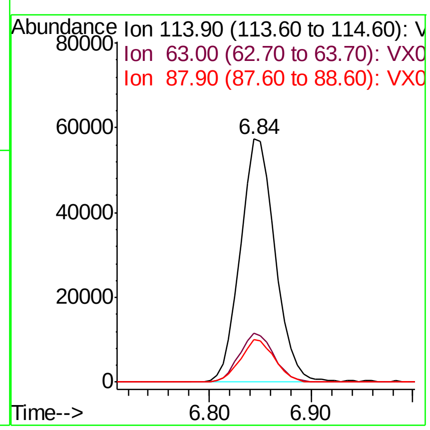


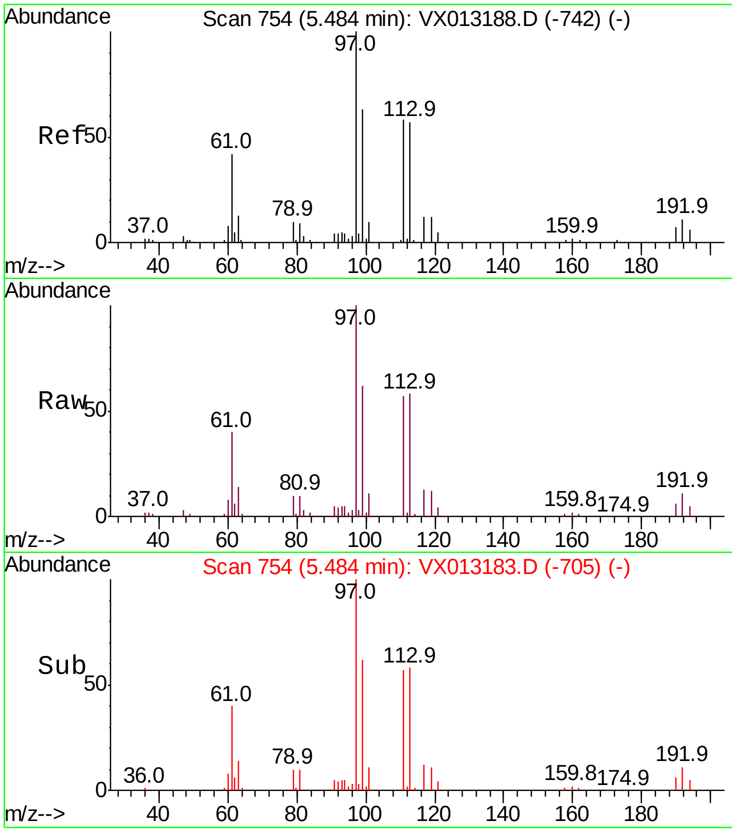




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.84 min Scan# 977
Delta R.T. -0.01 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

Tgt Ion:114 Resp: 136283

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.0 | 0.0 | 39.0 |
| 88 | 17.3 | 0.0 | 32.0 |






#35
Dibromofluoromethane
Concen: 50.693 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.00 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

Tgt Ion:113 Resp: 77040

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.9 | 80.3 | 120.5 |
| 192 | 20.6 | 15.9 | 23.9 |

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

**Manual Integrations APPROVED**
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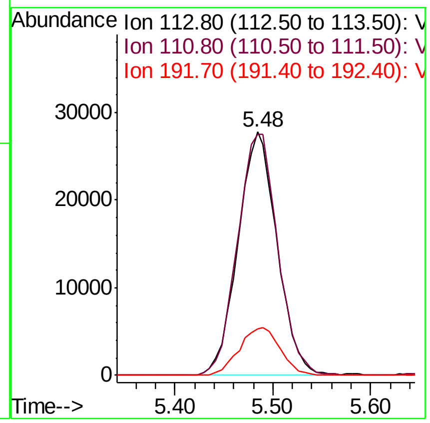
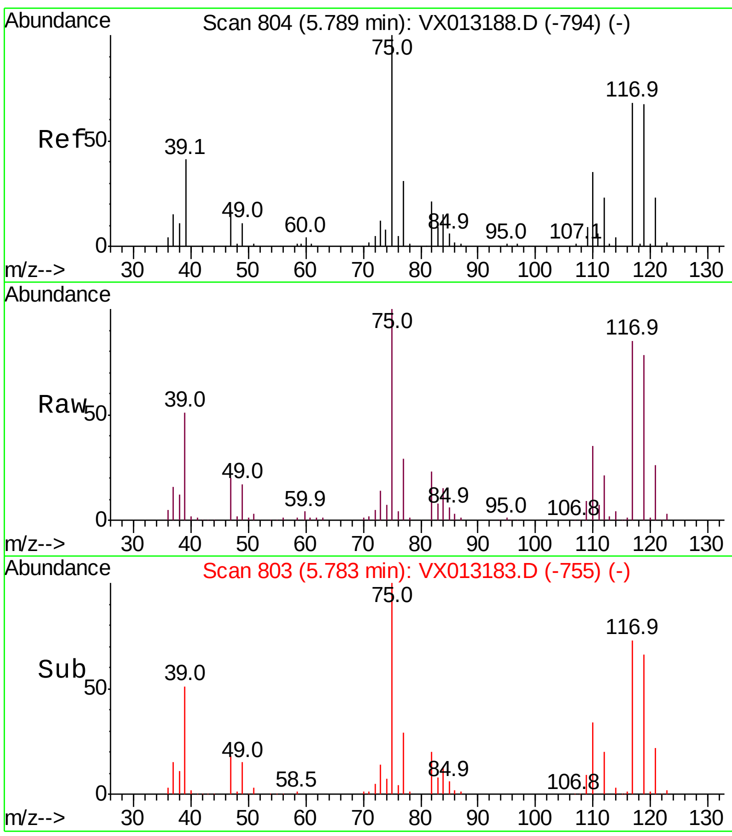
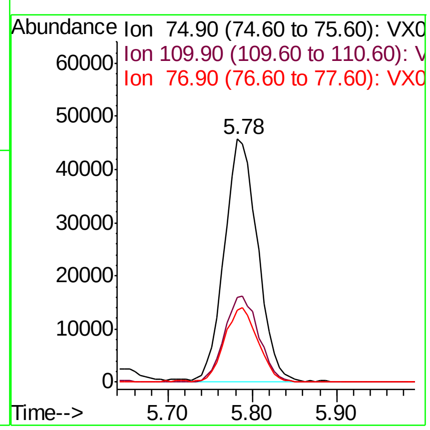


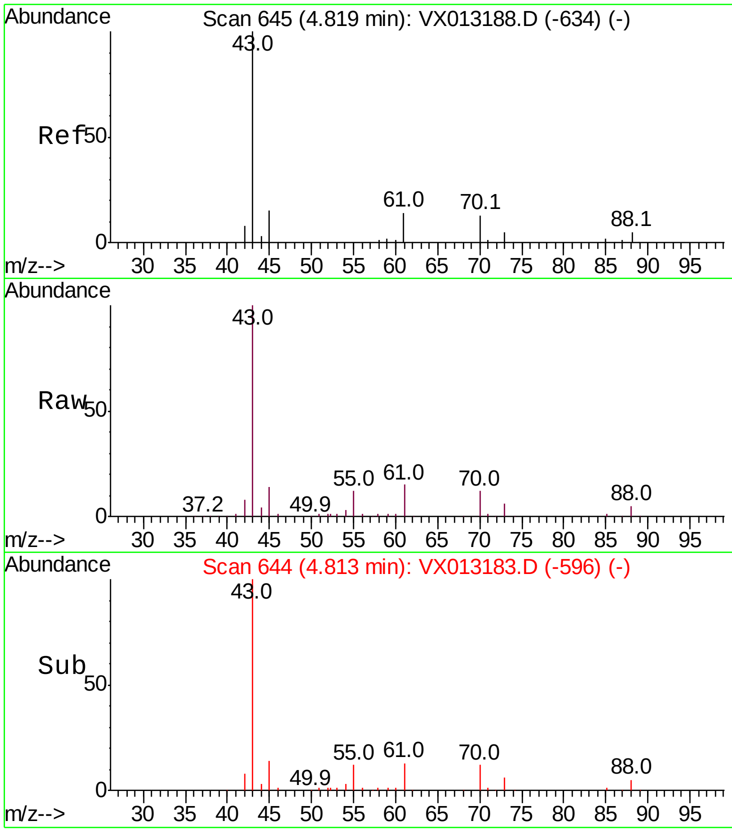




#36
1,1-Dichloropropene
Concen: 54.162 ug/l
RT: 5.78 min Scan# 803
Delta R.T. -0.01 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

Tgt Ion: 75 Resp: 123543

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 36.4 | 17.6 | 52.9 |
| 77 | 30.8 | 24.7 | 37.1 |






#37
Ethyl Acetate
Concen:   49.625 ug/l
RT: 4.81 min   Scan# 644
Delta R.T.   -0.01 min
Lab File:   VX013183.D
Acq: 23 Oct 2019   09:38

Tgt Ion: 43 Resp:   112701

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 14.7 | 12.1 | 18.1 |
| 70 | 12.6 | 10.4 | 15.6 |

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

**Manual Integrations APPROVED**

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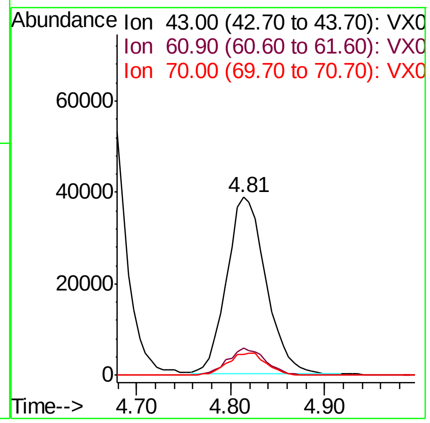
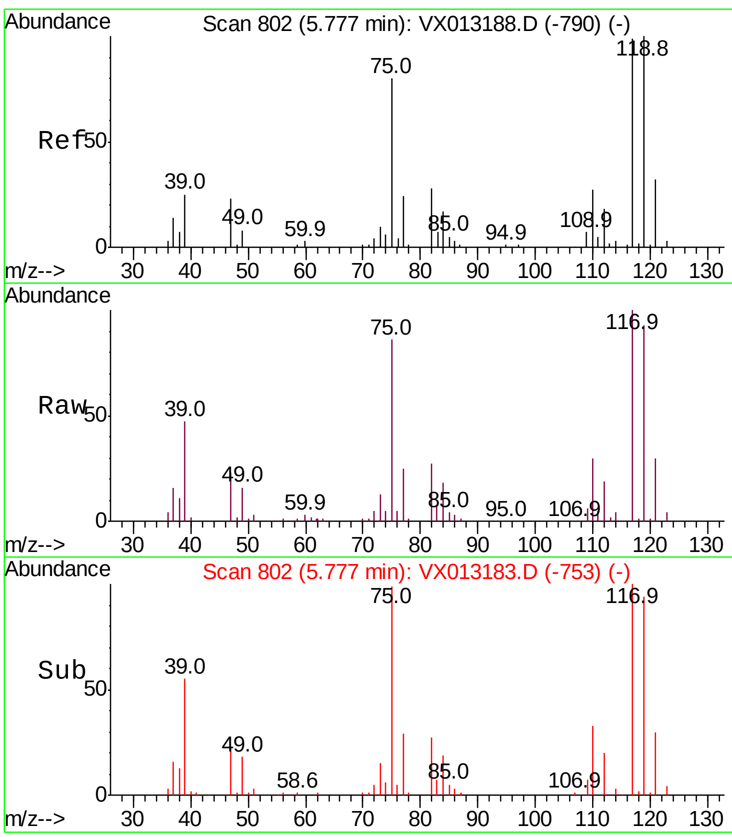
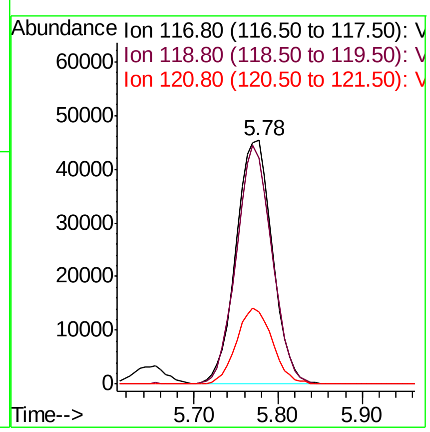


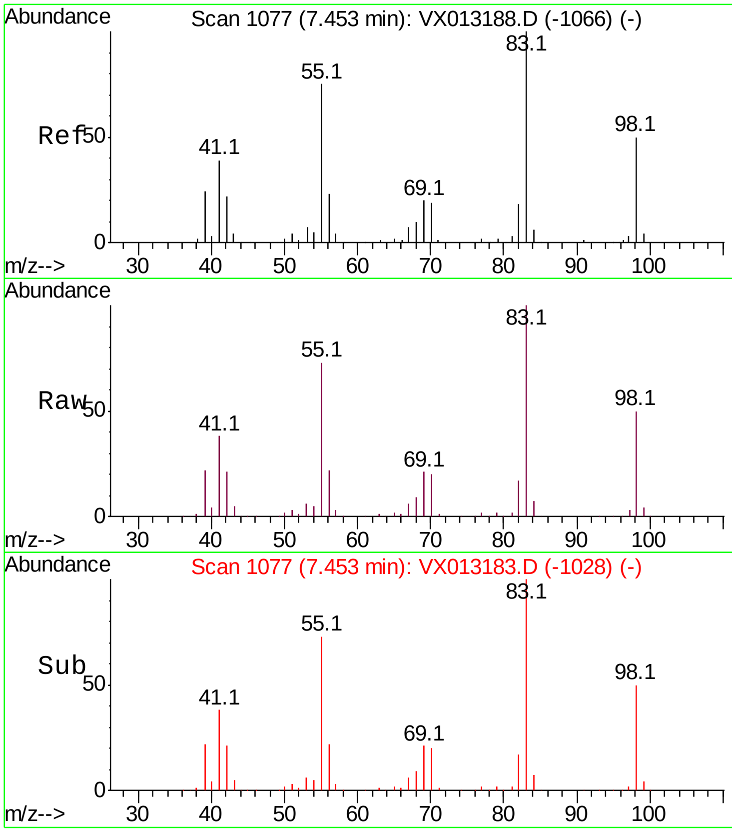




#38
Carbon Tetrachloride
Concen:   52.834 ug/l
RT: 5.78 min   Scan# 802
Delta R.T.   -0.00 min
Lab File:   VX013183.D
Acq: 23 Oct 2019   09:38

Tgt Ion:117 Resp:   133091

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 92.6 | 80.1 | 120.1 |
| 121 | 29.8 | 25.5 | 38.3 |






#39
Methylcyclohexane
Concen: 53.039 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

Tgt Ion: 83 Resp: 154744

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 72.7 | 60.1 | 90.1 |
| 98 | 49.8 | 39.8 | 59.8 |

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

**Manual Integrations APPROVED**
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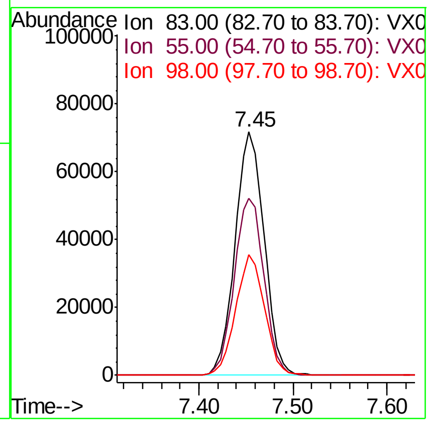
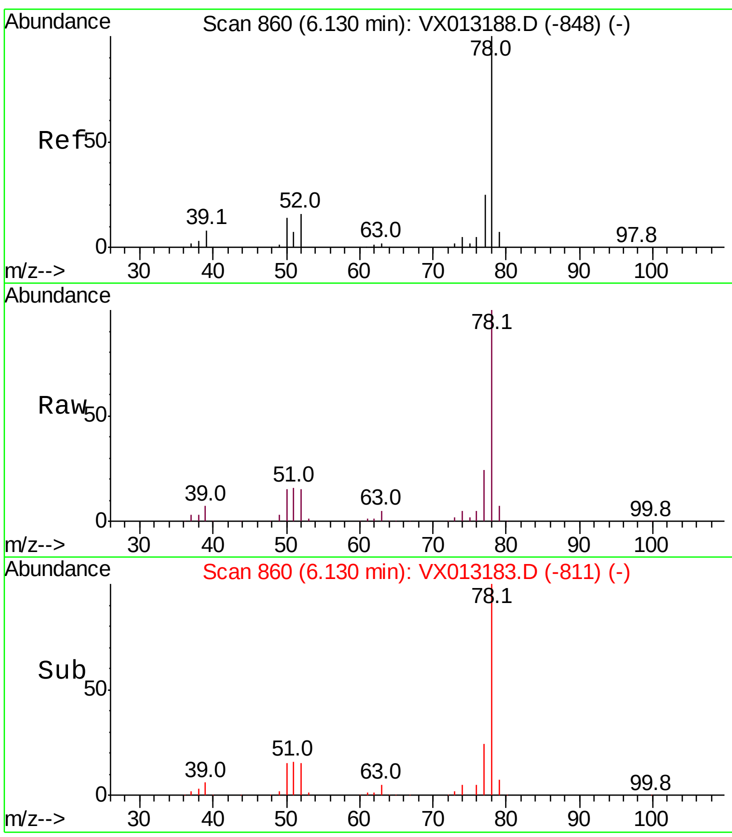
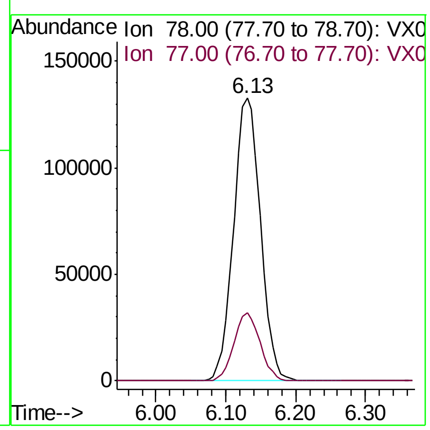


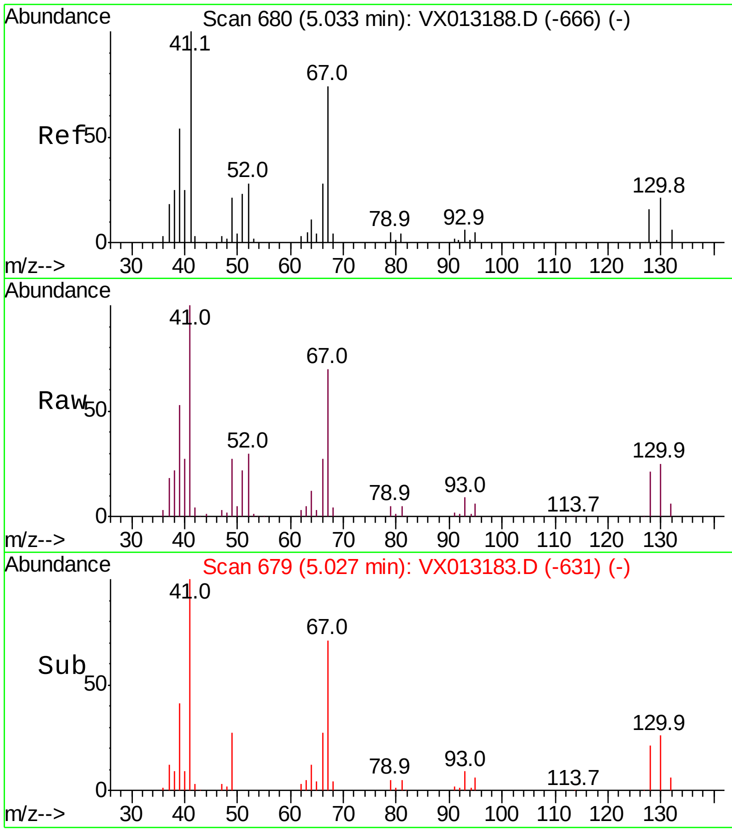




#40
Benzene
Concen: 51.964 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.00 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

Tgt Ion: 78 Resp: 355709

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.2 | 19.6 | 29.4 |






#41
Methacrylonitrile
Concen: 53.604 ug/l
RT: 5.03 min Scan# 679
Delta R.T. -0.01 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

Tgt Ion: 41 Resp: 65267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 53.8 | 45.2 | 67.8 |
| 67 | 75.8 | 61.3 | 91.9 |
| 52 | 30.7 | 25.1 | 37.7 |

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

**Manual Integrations APPROVED**
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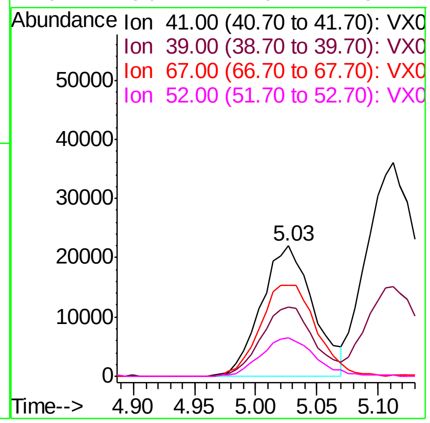
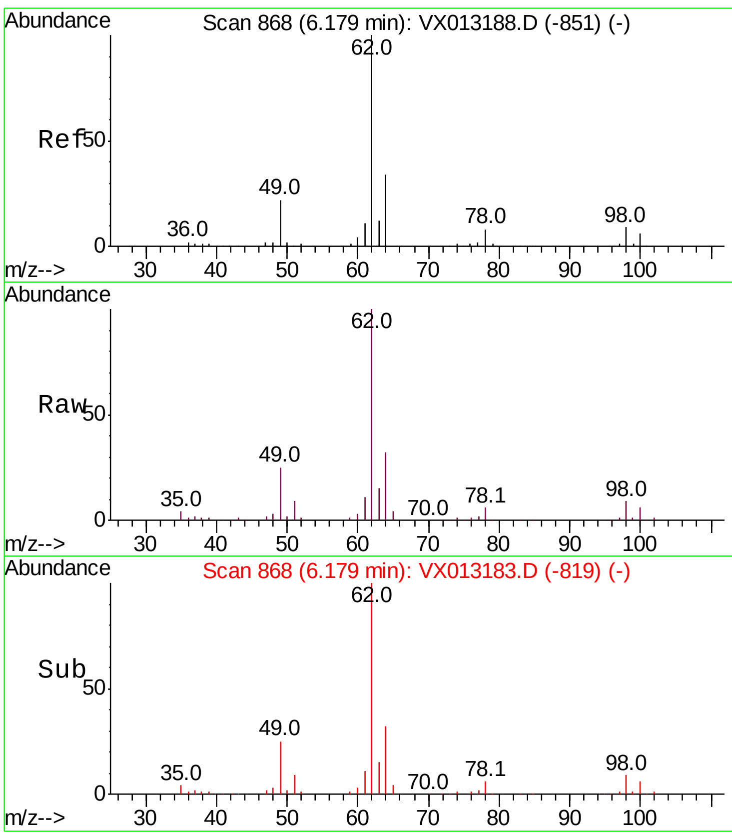
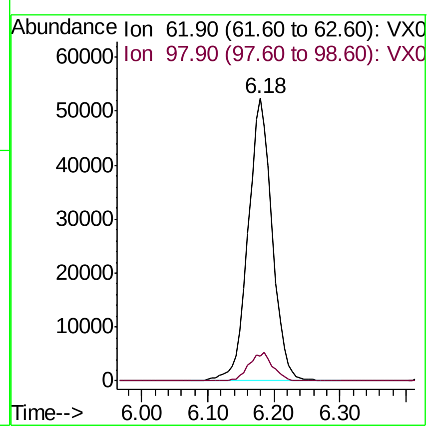


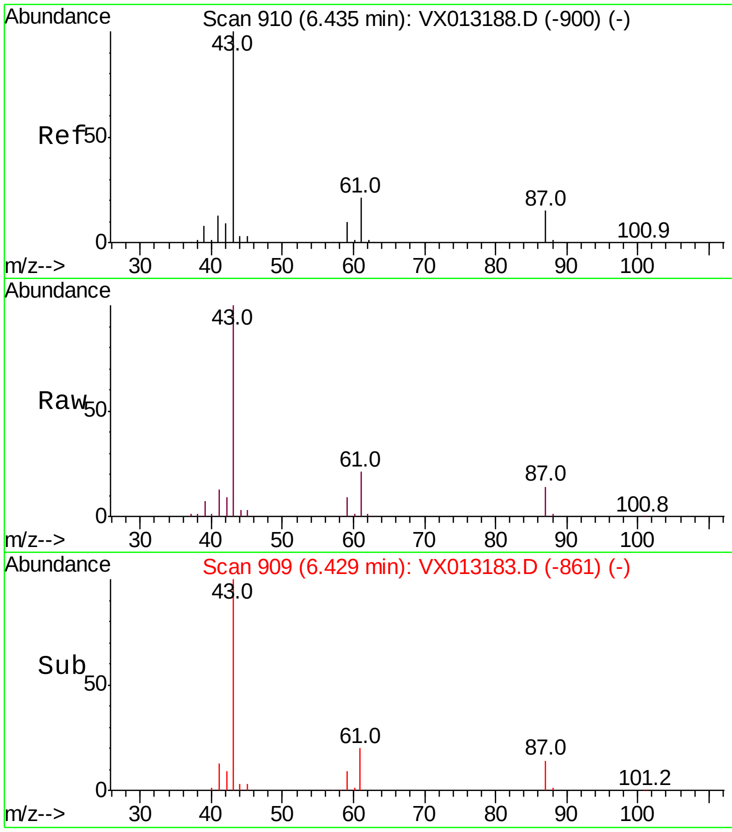




#42
1,2-Dichloroethane
Concen: 51.635 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

Tgt Ion: 62 Resp: 133267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.9 | 0.0 | 18.4 |






#43
Isopropyl Acetate
Concen: 52.263 ug/l
RT: 6.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

Tgt Ion: 43 Resp: 197067

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 21.5 | 17.0 | 25.4 |
| 87 | 14.9 | 12.1 | 18.1 |

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

**Manual Integrations APPROVED**
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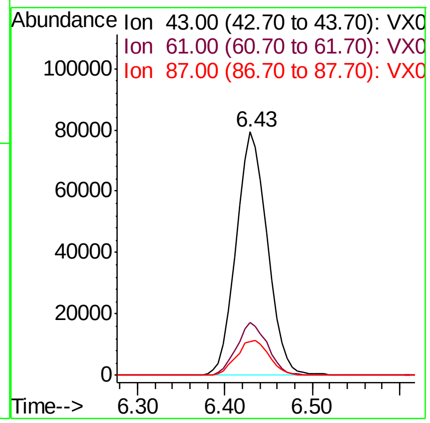
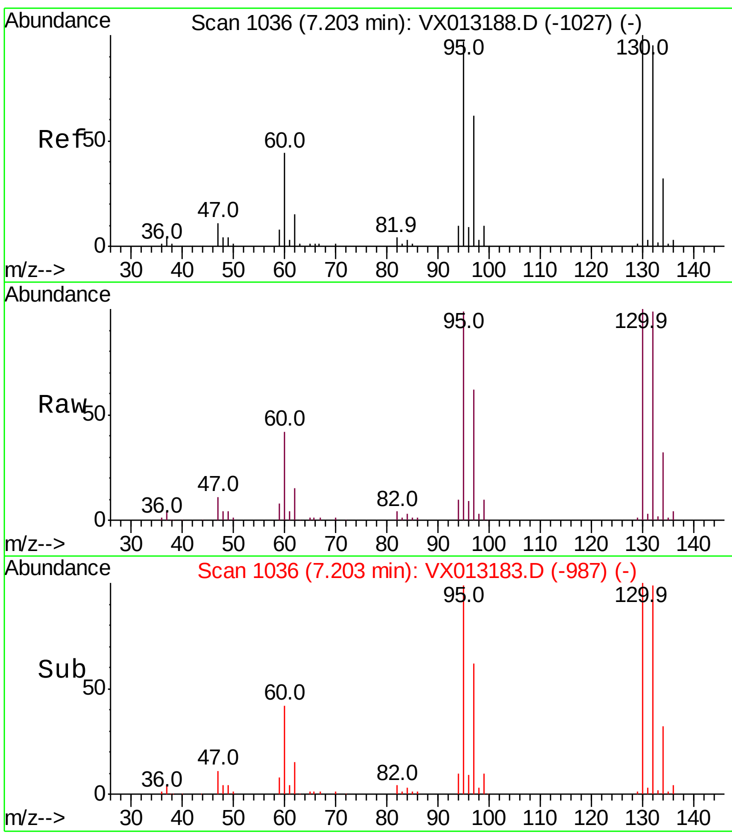
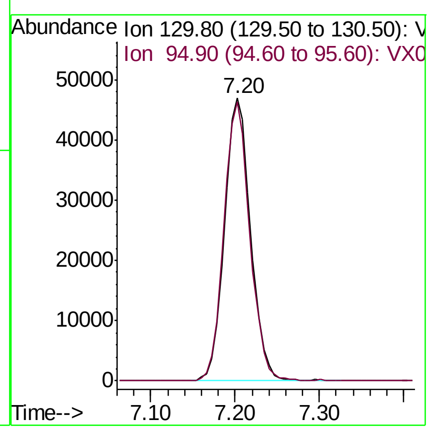


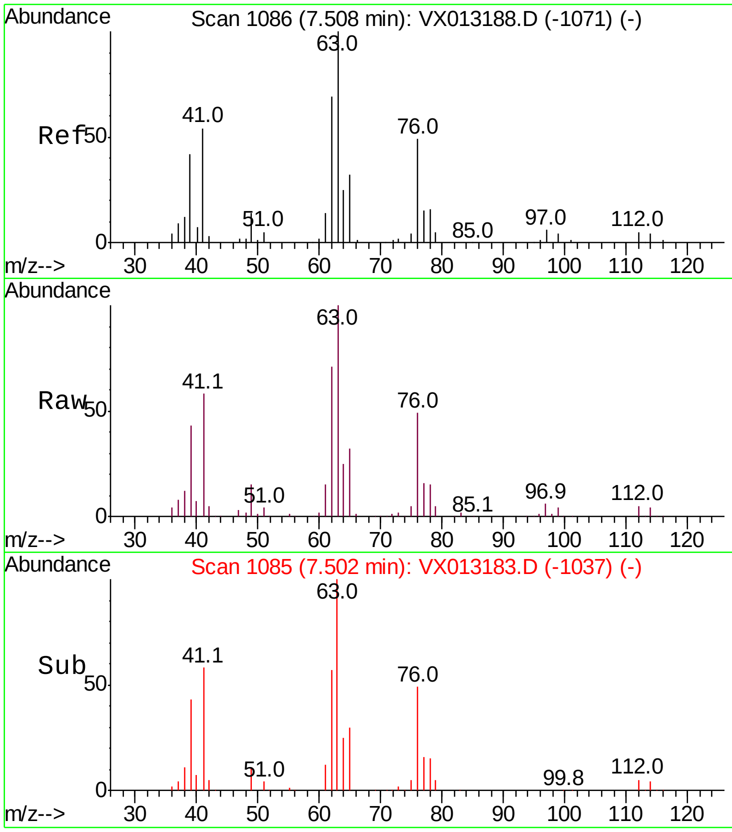




#44
Trichloroethene
Concen: 51.258 ug/l
RT: 7.20 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

Tgt Ion:130 Resp: 99584

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 98.6 | 0.0 | 193.6 |






#45
1,2-Dichloropropane
Concen: 50.902 ug/l
RT: 7.50 min Scan# 1085
Delta R.T. -0.01 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

Tgt Ion: 63 Resp: 87271

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.6 | 25.3 | 37.9 |

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

**Manual Integrations APPROVED**
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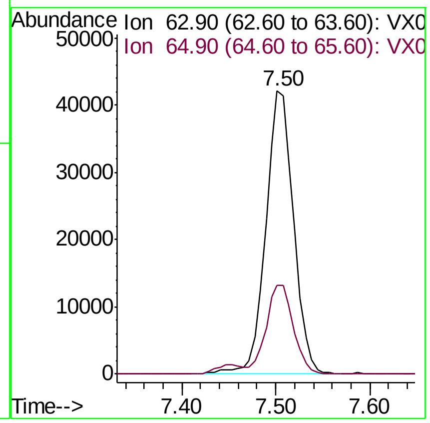
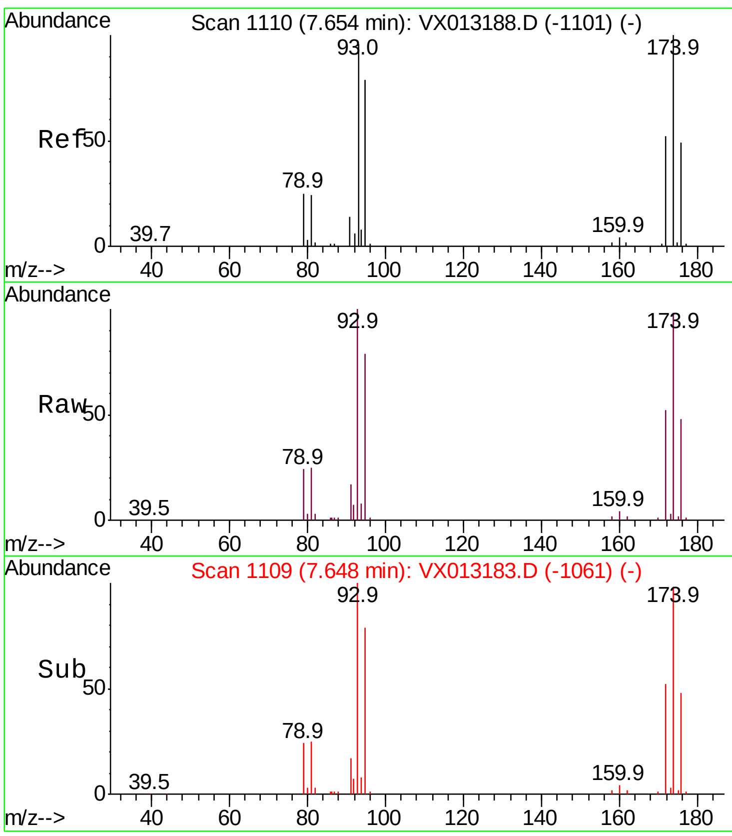
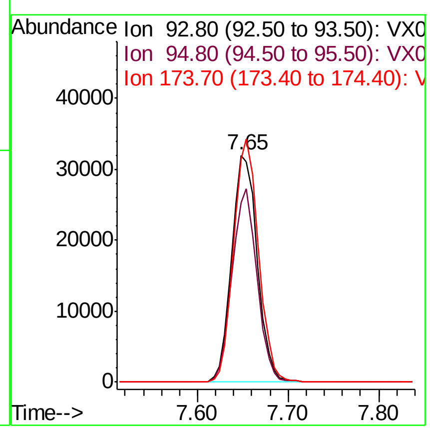


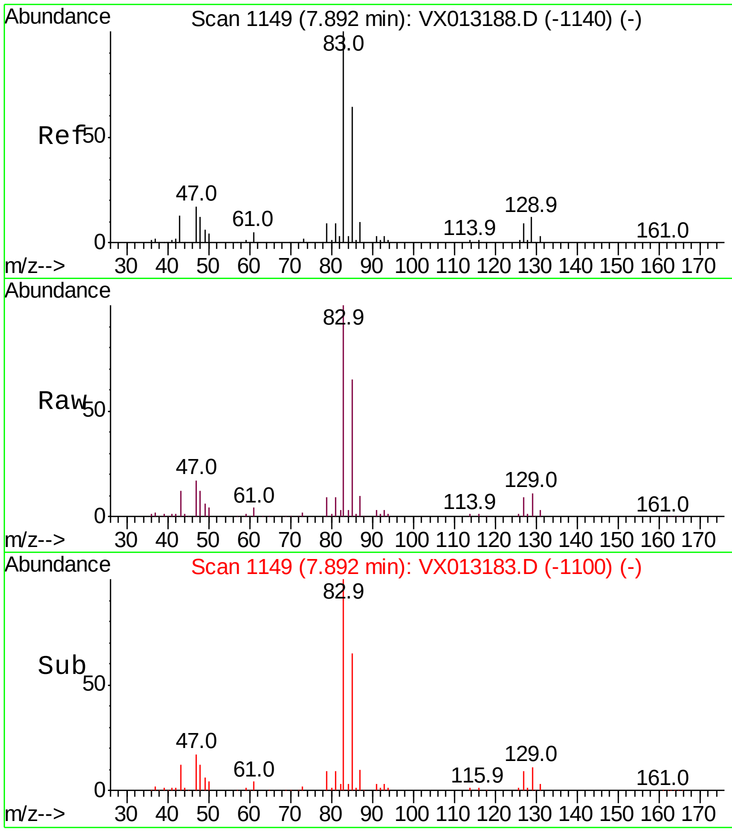




#46
Dibromomethane
Concen: 50.995 ug/l
RT: 7.65 min Scan# 1109
Delta R.T. -0.01 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

Tgt Ion: 93 Resp: 62991

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.7 | 66.2 | 99.4 |
| 174 | 104.1 | 85.2 | 127.8 |






#47
Bromodichloromethane
Concen: 53.635 ug/l
RT: 7.89 min Scan# 1149
Delta R.T. -0.00 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

Tgt Ion: 83 Resp: 129113

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.6 | 51.0 | 76.6 |
| 127 | 9.2 | 7.2 | 10.8 |

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

**Manual Integrations APPROVED**
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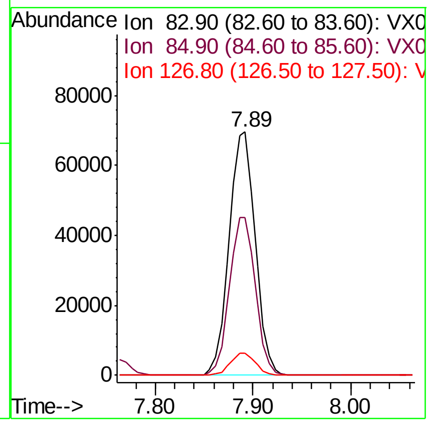
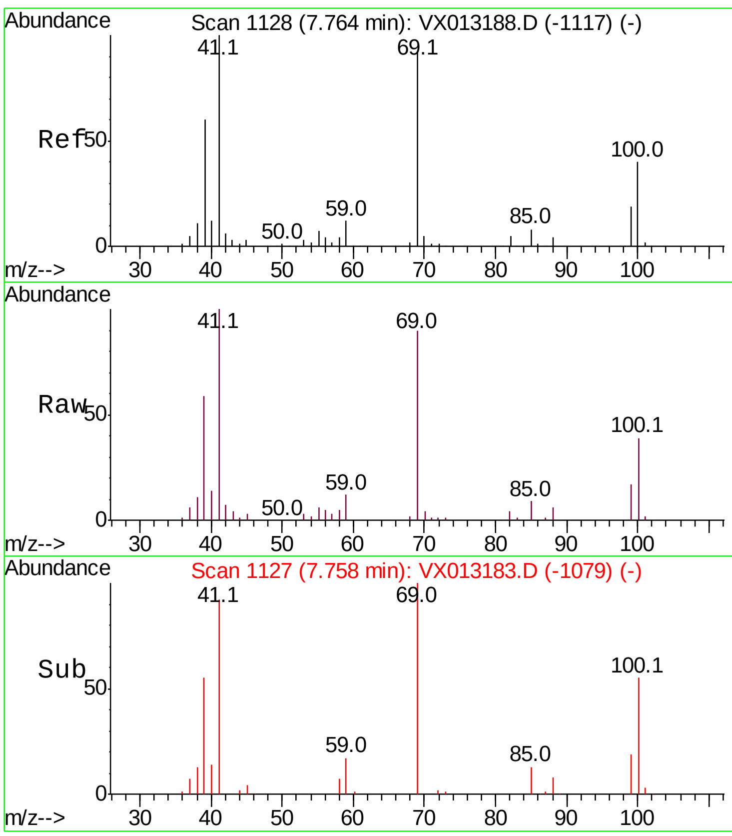
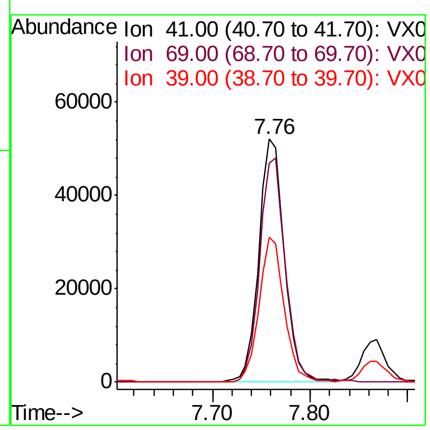


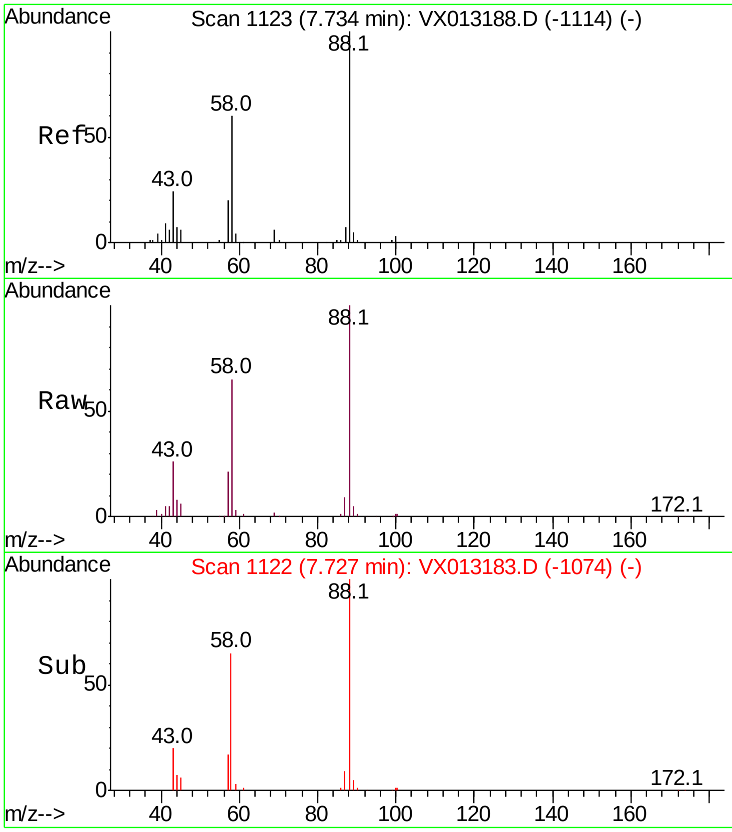




#48
Methyl methacrylate
Concen: 50.839 ug/l
RT: 7.76 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

Tgt Ion: 41 Resp: 94747

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 93.0 | 72.0 | 108.0 |
| 39 | 58.8 | 47.4 | 71.0 |






#49
1,4-Dioxane
Concen: 1030.794 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

Tgt Ion: 88 Resp: 48893

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 31.2 | 24.5 | 36.7 |
| 58 | 67.5 | 54.1 | 81.1 |

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

**Manual Integrations APPROVED**
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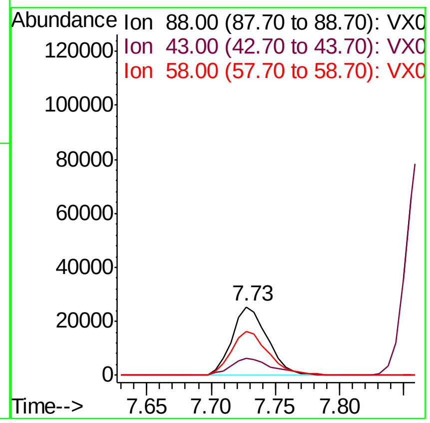
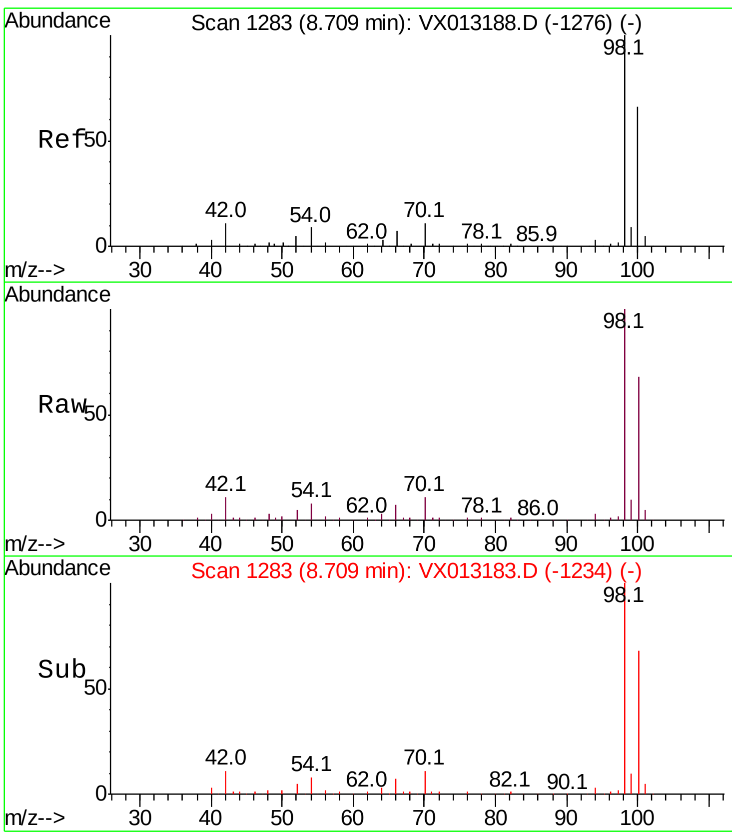
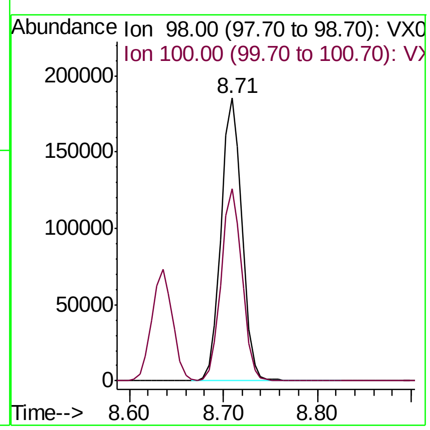


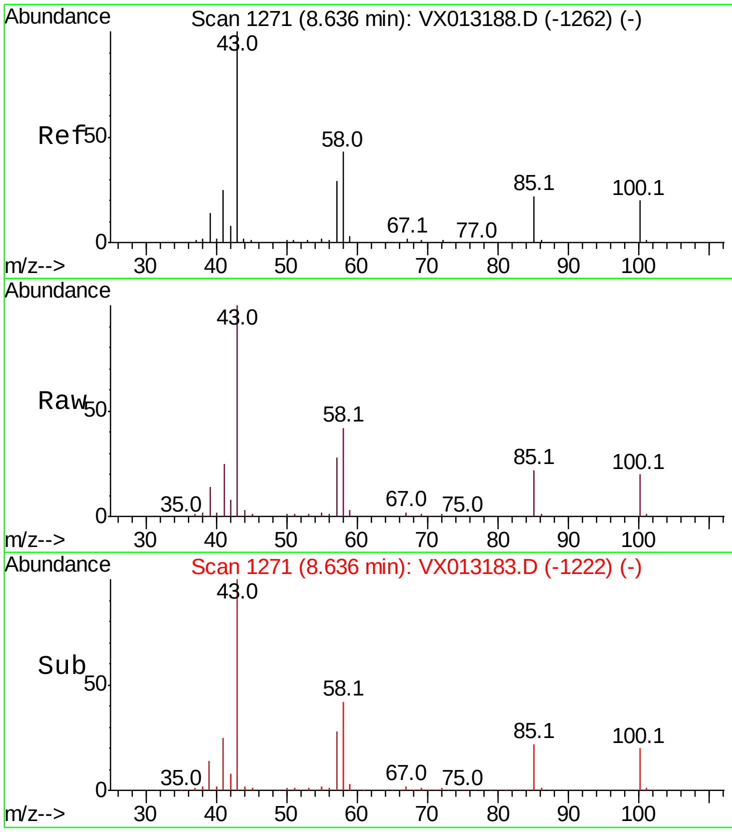




#50
Toluene-d8
Concen: 50.978 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

Tgt Ion: 98 Resp: 287111

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 67.6 | 53.3 | 79.9 |






#51
4-Methyl-2-Pentanone
Concen: 254.487 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

Tgt Ion: 43 Resp: 584895

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 42.4 | 33.9 | 50.9 |

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

**Manual Integrations APPROVED**
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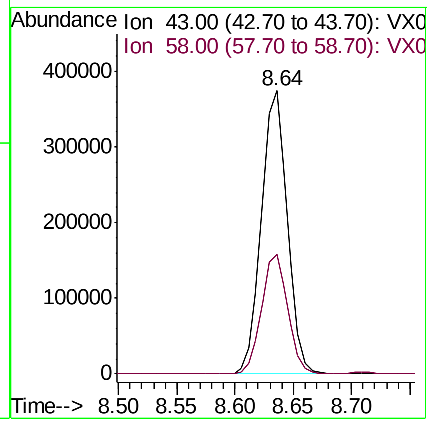
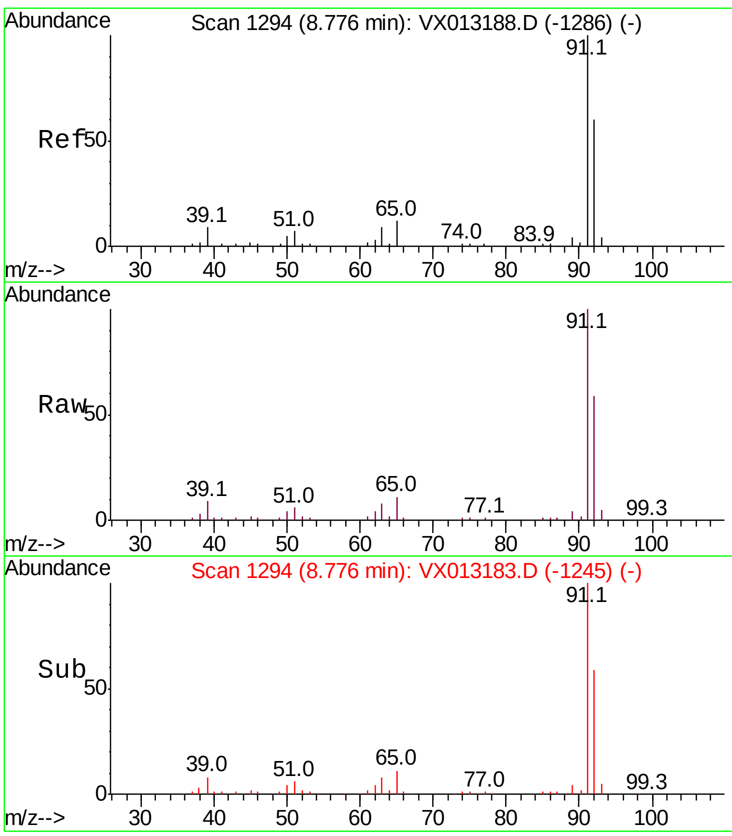
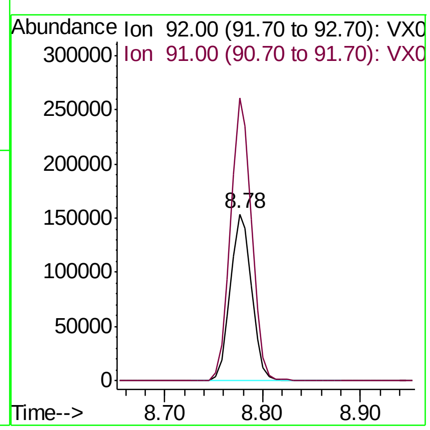


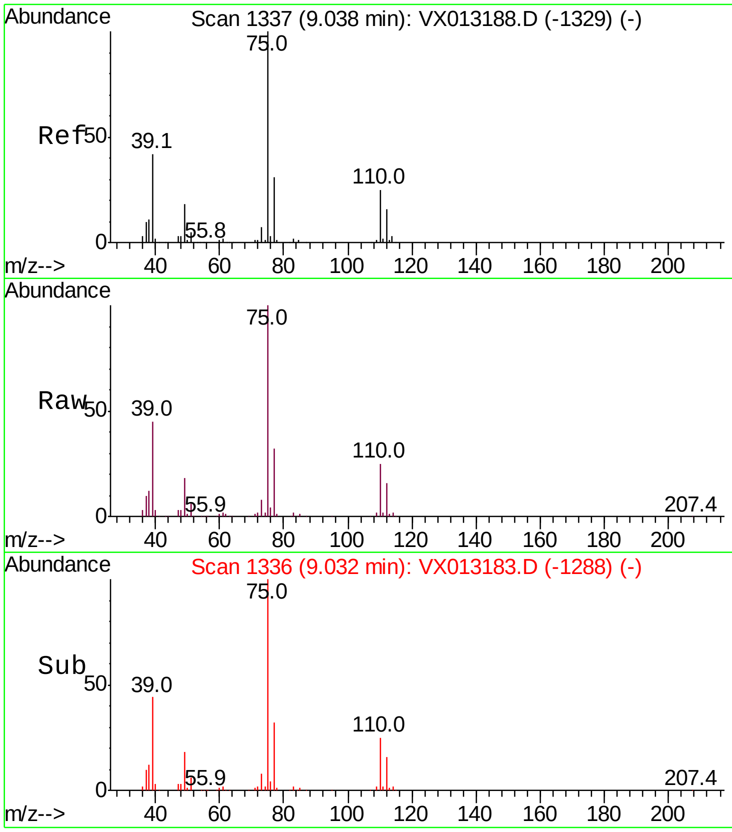




#52
Toluene
Concen: 51.661 ug/l
RT: 8.78 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

Tgt Ion: 92 Resp: 234360

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 167.6 | 133.9 | 200.9 |






#53
t-1,3-Dichloropropene
Concen: 56.900 ug/l
RT: 9.03 min Scan# 1336
Delta R.T. -0.01 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

Tgt Ion: 75 Resp: 145556

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.4 | 24.7 | 37.1 |

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

**Manual Integrations APPROVED**
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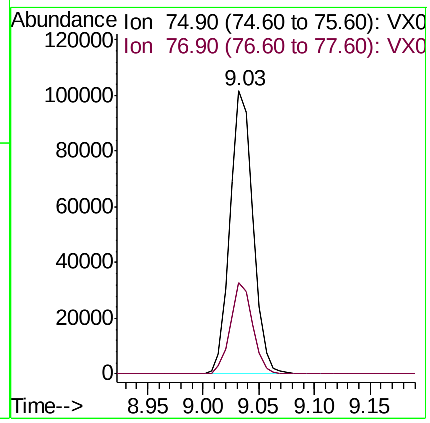
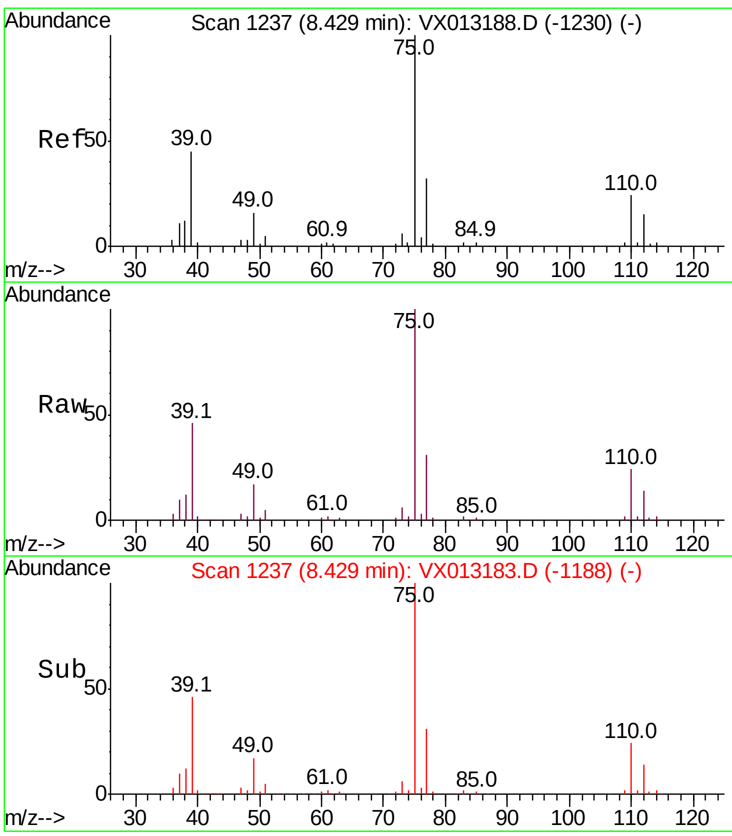
10/25/2019 4:32:28 PM

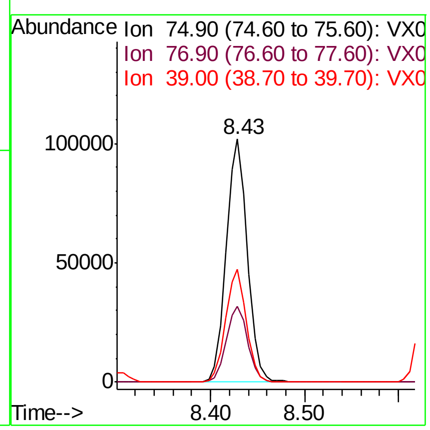


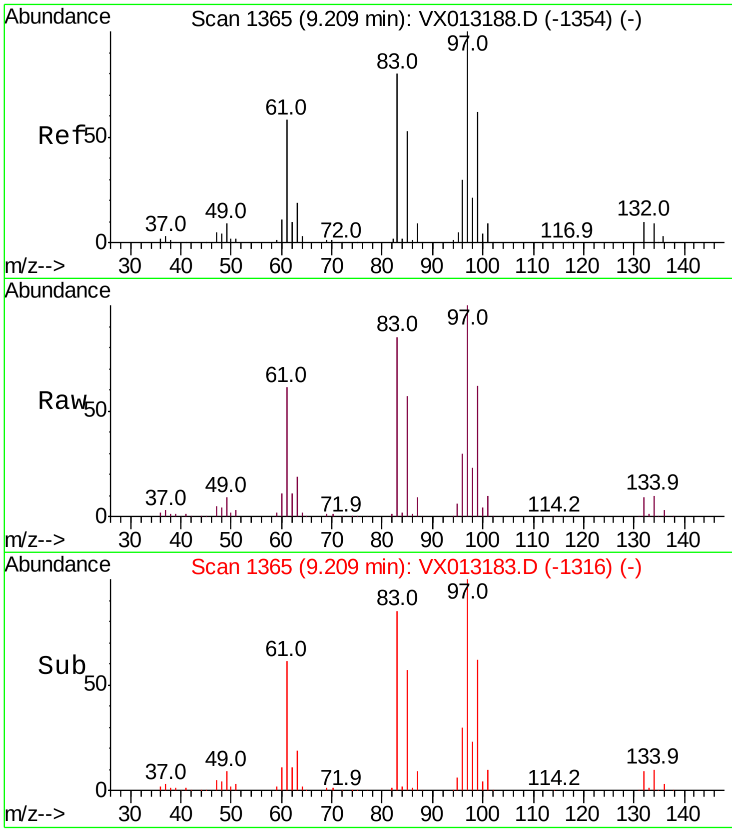




#54
cis-1,3-Dichloropropene
Concen: 56.431 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

Tgt Ion: 75 Resp: 157919

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.1 | 25.4 | 38.0 |
| 39 | 46.2 | 36.2 | 54.4 |






#55
1,1,2-Trichloroethane
Concen: 50.453 ug/l
RT: 9.21 min Scan# 1365
Delta R.T. -0.00 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

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

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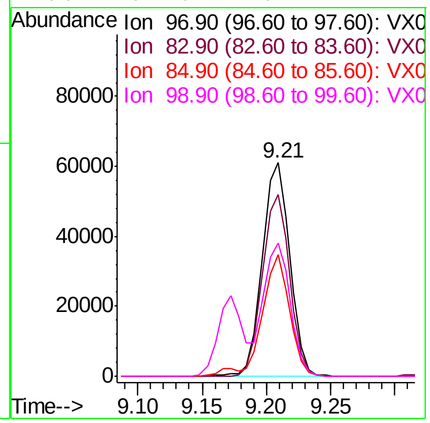
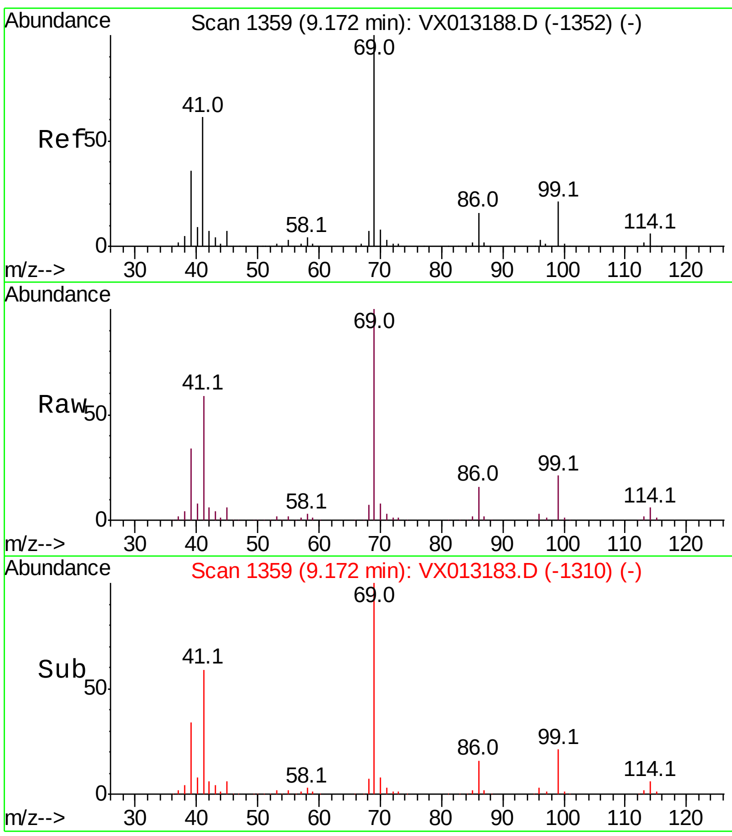
Tgt Ion: 97 Resp: 90491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 84.9 | 64.1 | 96.1 |
| 85 | 56.9 | 42.1 | 63.1 |
| 99 | 62.0 | 49.4 | 74.2 |

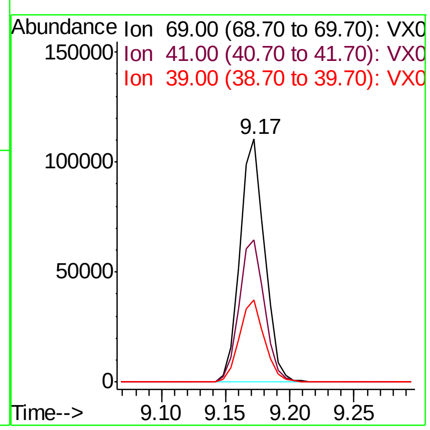


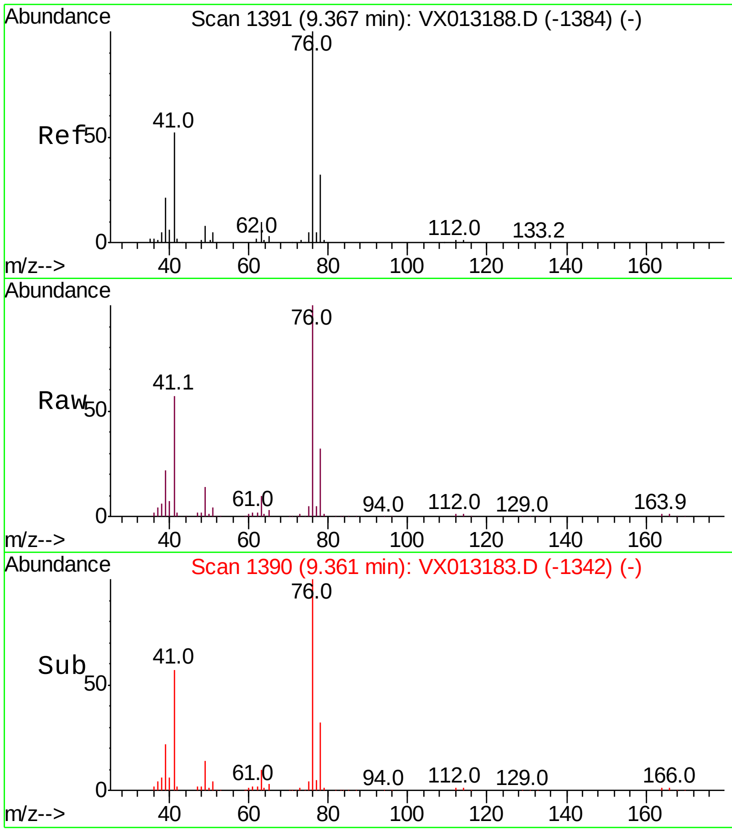




#56
Ethyl methacrylate
Concen: 54.794 ug/l
RT: 9.17 min Scan# 1359
Delta R.T. -0.00 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

Tgt Ion: 69 Resp: 147914

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 60.3 | 49.5 | 74.3 |
| 39 | 34.3 | 28.3 | 42.5 |






#57
1,3-Dichloropropane
Concen: 50.591 ug/l
RT: 9.36 min Scan# 1390
Delta R.T. -0.01 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

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

Tgt Ion: 76 Resp: 153103

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.2 | 26.1 | 39.1 |

**Manual Integrations APPROVED**
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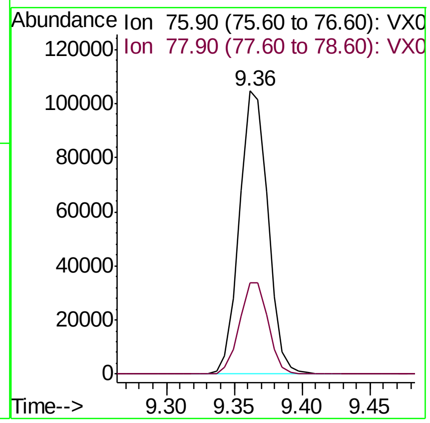
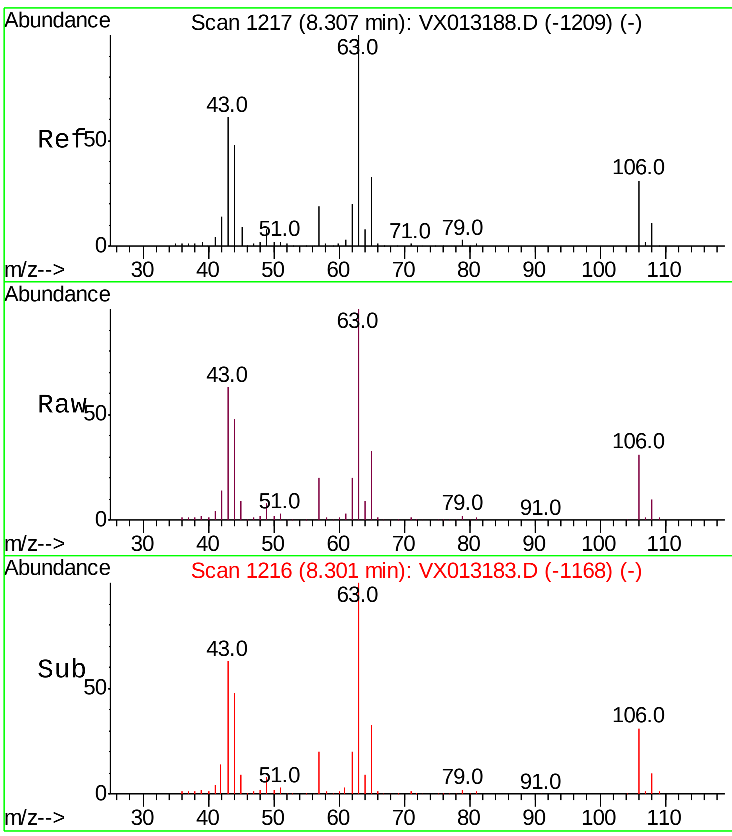
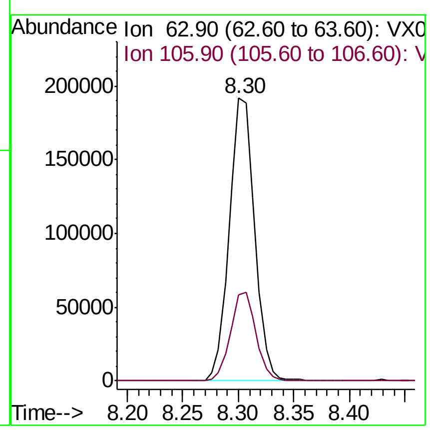


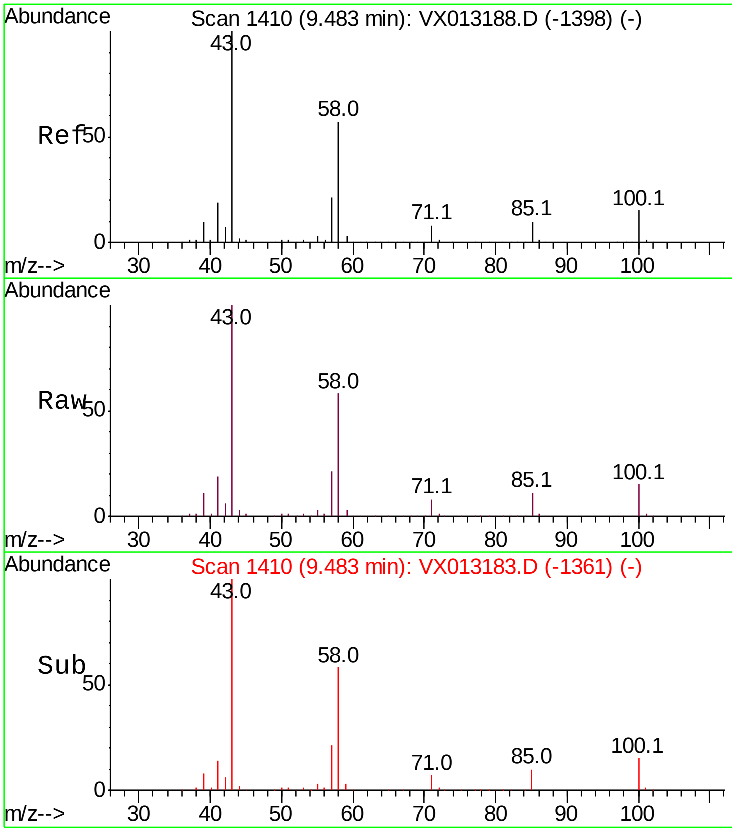




#58
2-Chloroethyl Vinyl ether
Concen: 287.928 ug/l
RT: 8.30 min Scan# 1216
Delta R.T. -0.01 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

Tgt Ion: 63 Resp: 303279

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 31.5 | 25.4 | 38.0 |






#59
2-Hexanone
Concen: 262.523 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

Tgt Ion: 43 Resp: 464768

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 58.0 | 28.2 | 84.7 |

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

**Manual Integrations APPROVED**
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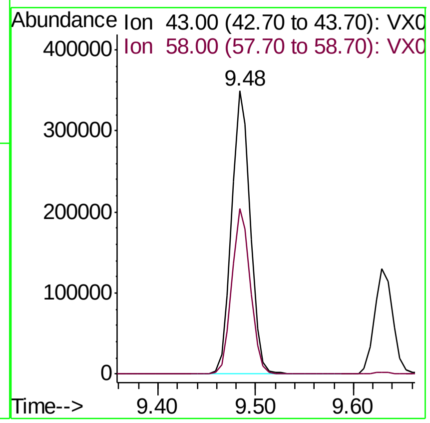
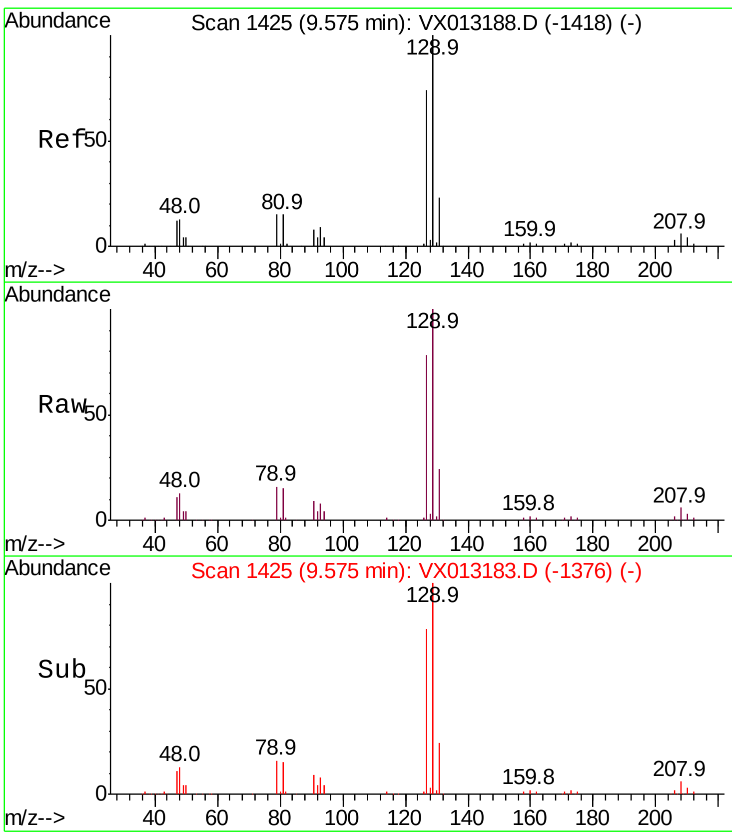
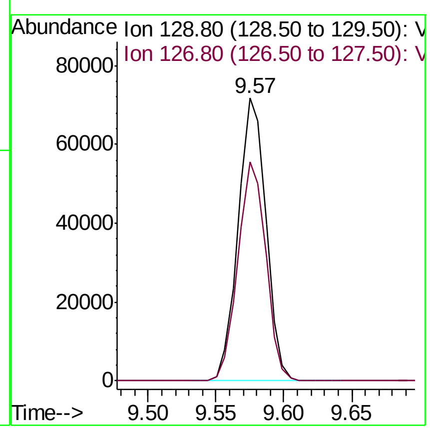



#60
Dibromochloromethane
Concen: 54.653 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

Tgt Ion:129 Resp: 102713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 78.0 | 38.2 | 114.6 |



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

**Manual Integrations APPROVED**
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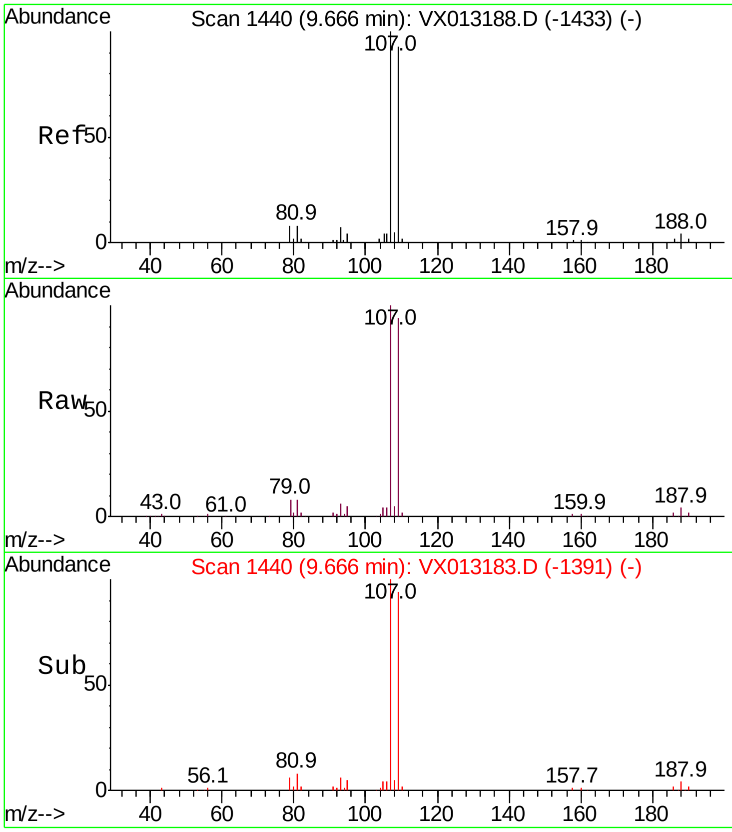
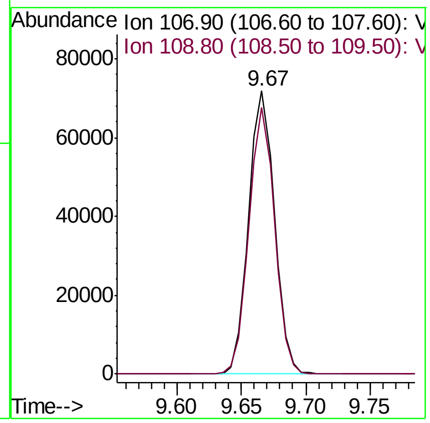
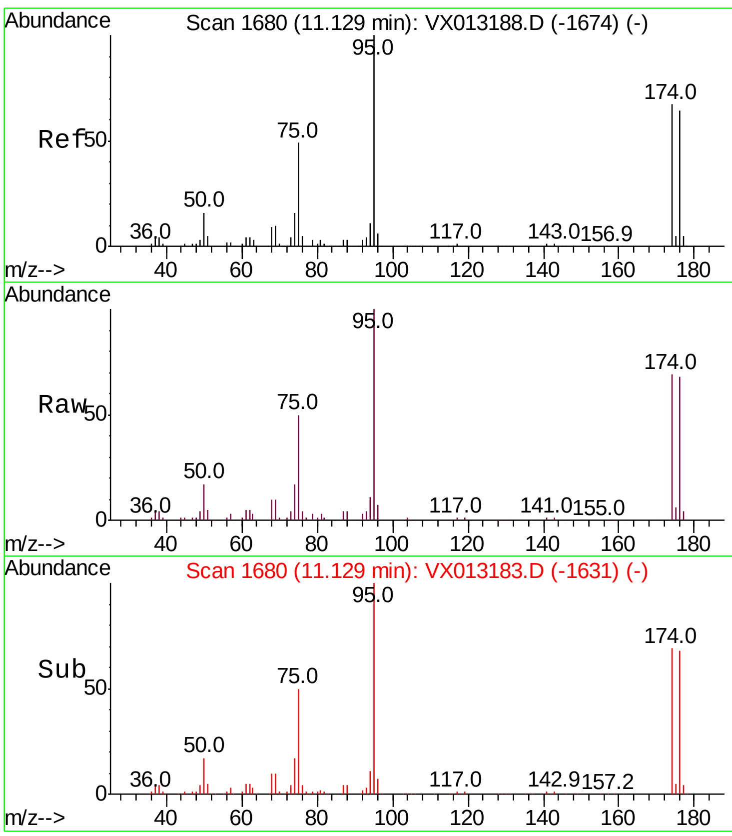



#61
1,2-Dibromoethane
Concen: 52.183 ug/l
RT: 9.67 min Scan# 1440
Delta R.T. -0.00 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

Tgt Ion:107 Resp: 99360

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.7 | 75.7 | 113.5 |

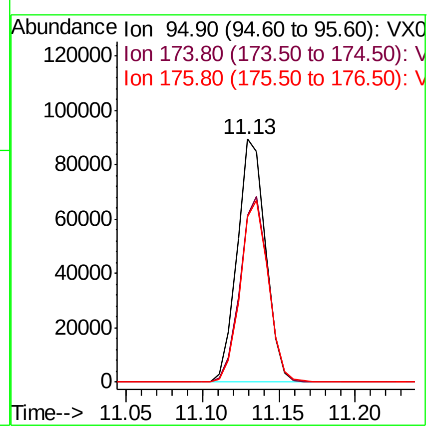


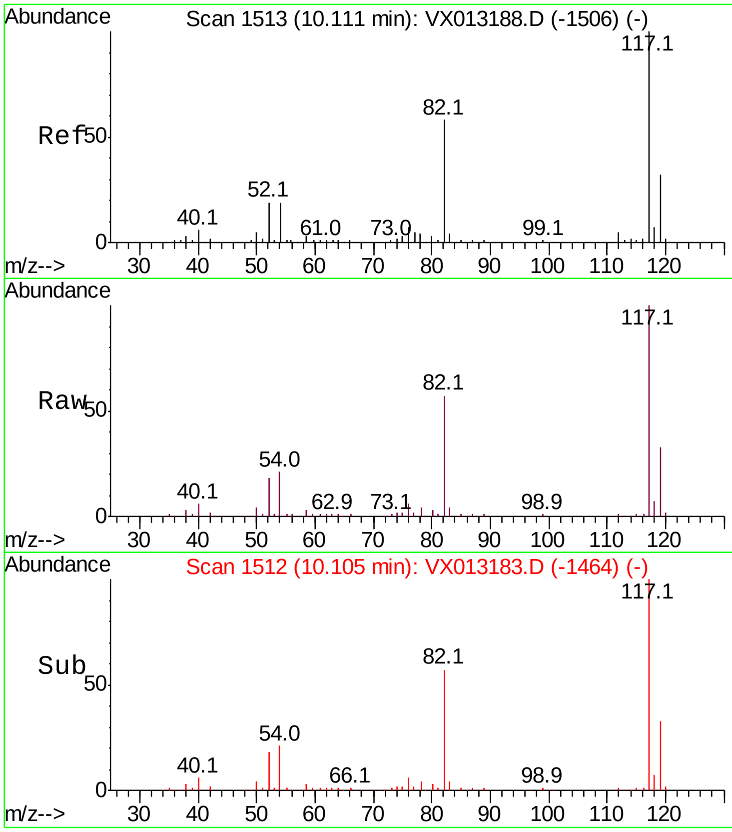




#62
4-Bromofluorobenzene
Concen: 51.719 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

Tgt Ion: 95 Resp: 115291

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 75.4 | 0.0 | 152.4 |
| 176 | 74.0 | 0.0 | 146.0 |






#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

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

**Manual Integrations APPROVED**
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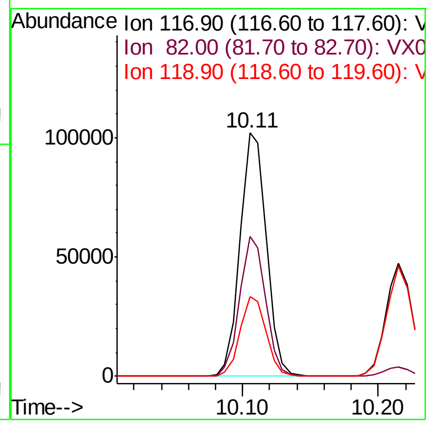
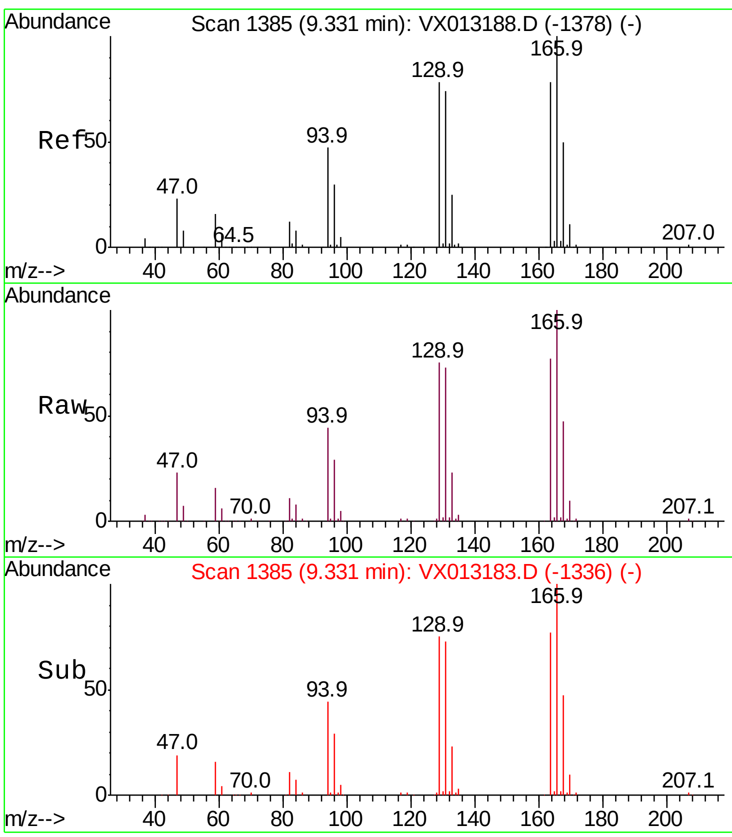
Tgt Ion:117 Resp: 138278

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 57.2 | 46.5 | 69.7 |
| 119 | 32.9 | 25.2 | 37.8 |

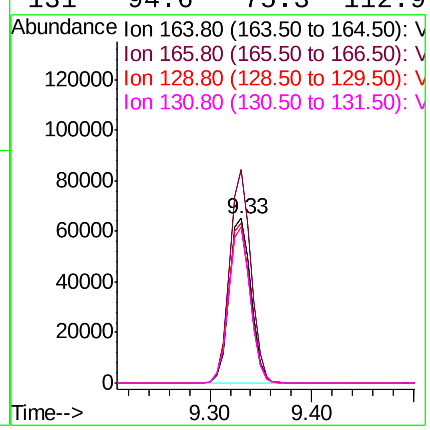


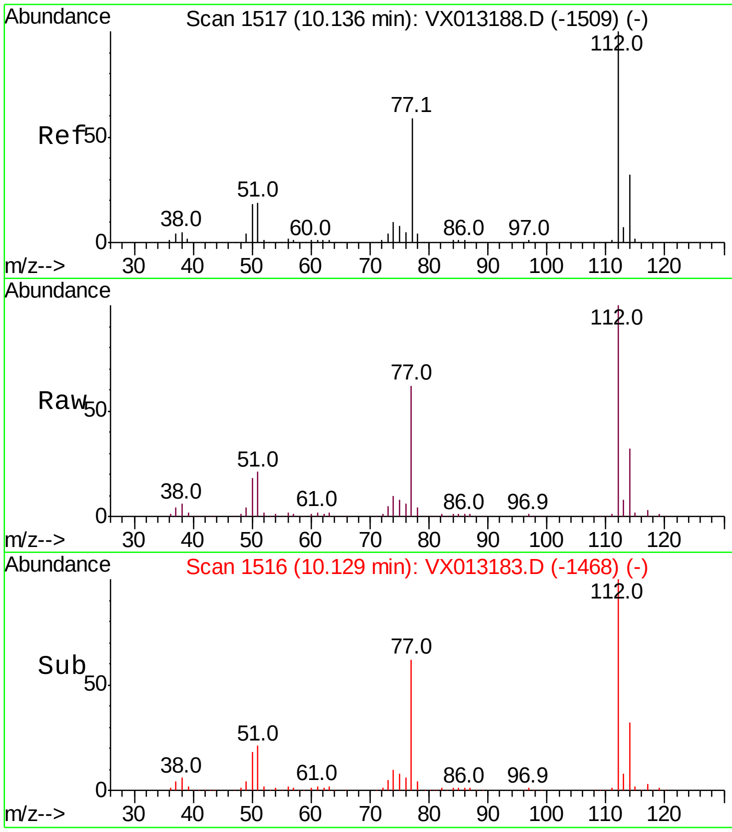




#64
Tetrachloroethene
Concen: 56.566 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

Tgt Ion:164 Resp: 96079

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 129.4 | 102.2 | 153.4 |
| 129 | 97.0 | 79.8 | 119.8 |
| 131 | 94.6 | 75.3 | 112.9 |






#65
Chlorobenzene
Concen: 51.802 ug/l
RT: 10.13 min Scan# 1516
Delta R.T. -0.01 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

Tgt Ion:112 Resp: 250746

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.0 | 25.8 | 38.8 |

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

**Manual Integrations APPROVED**
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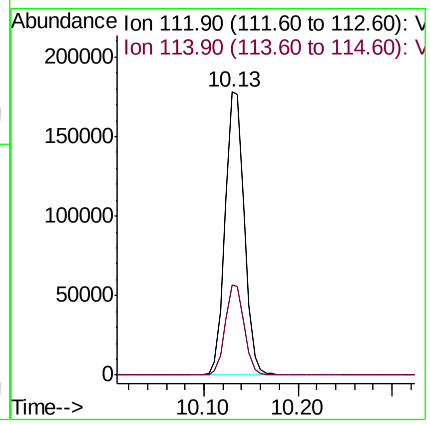
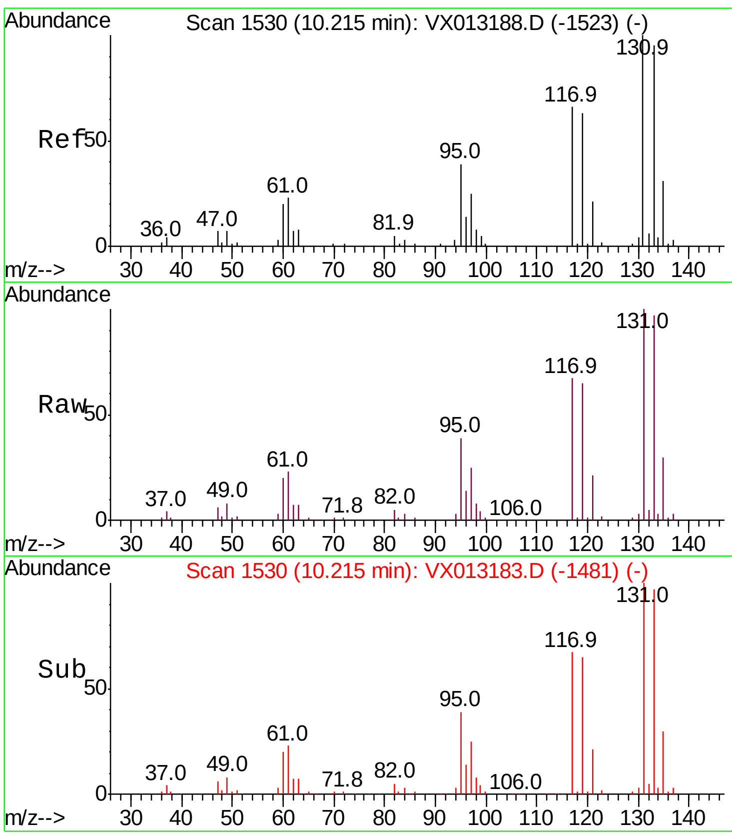
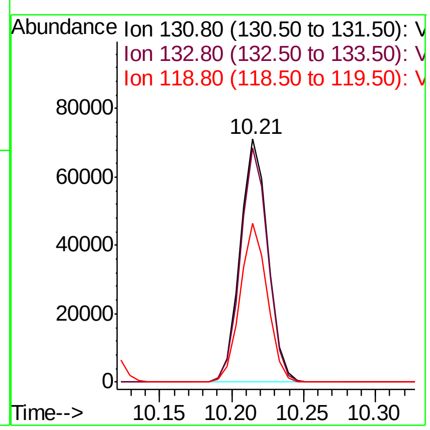


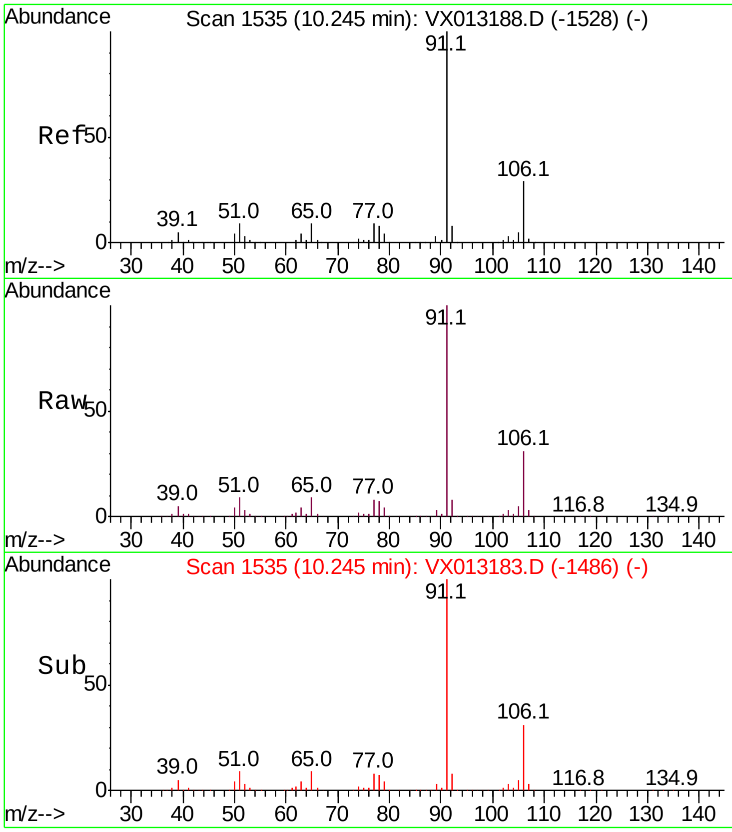




#66
1,1,1,2-Tetrachloroethane
Concen: 53.503 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

Tgt Ion:131 Resp: 95671

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.8 | 48.4 | 145.2 |
| 119 | 64.0 | 32.4 | 97.0 |






#67
Ethyl Benzene
Concen: 52.910 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

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

Tgt Ion: 91 Resp: 458501

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.7 | 23.5 | 35.3 |

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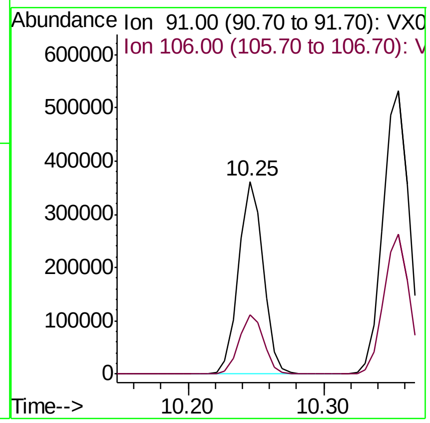
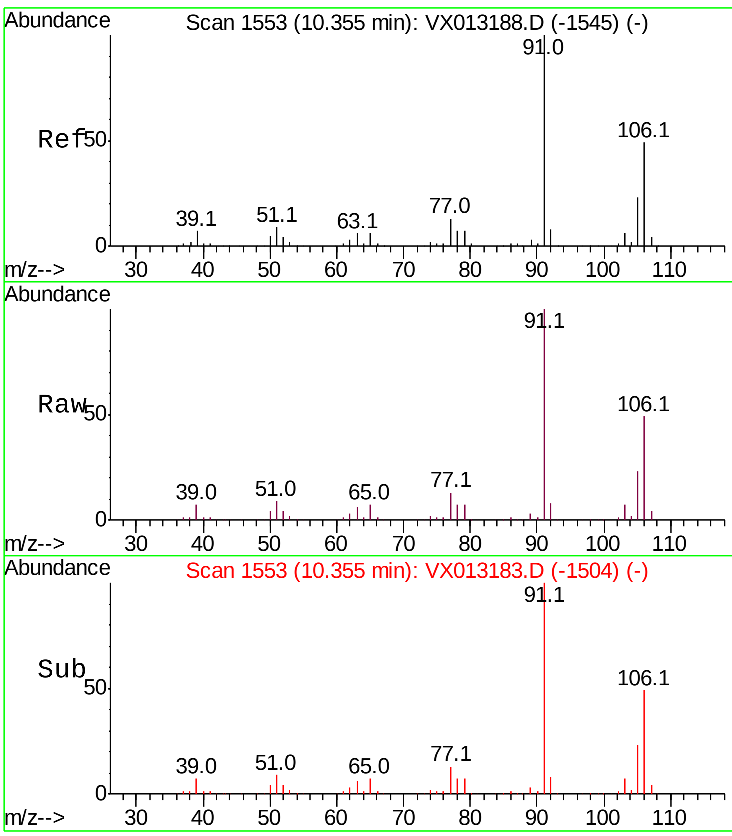
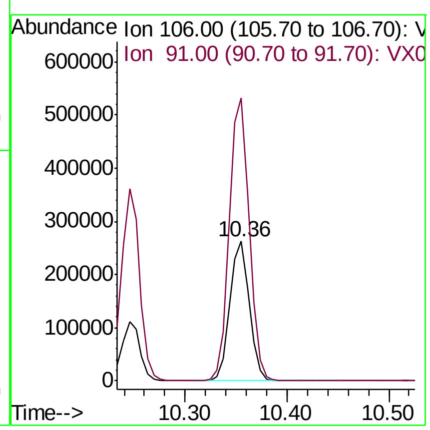


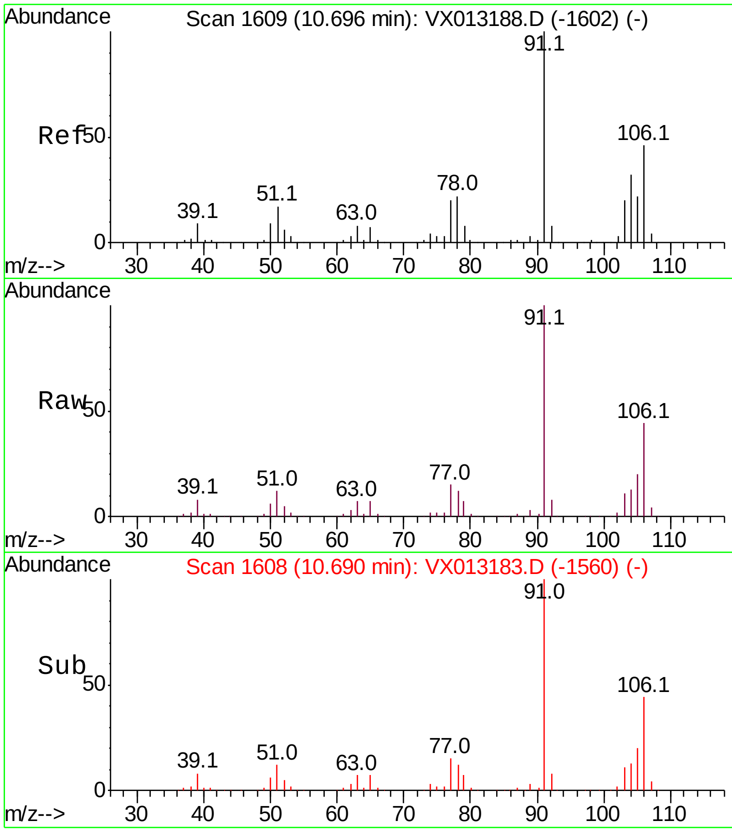




#68
m/p-Xylenes
Concen: 105.089 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

Tgt Ion:106 Resp: 344154

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 207.8 | 166.8 | 250.2 |






#69
o-Xylene
Concen: 52.201 ug/l
RT: 10.69 min Scan# 1608
Delta R.T. -0.01 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

Tgt Ion:106 Resp: 163990

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 221.8 | 110.7 | 331.9 |

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

**Manual Integrations APPROVED**
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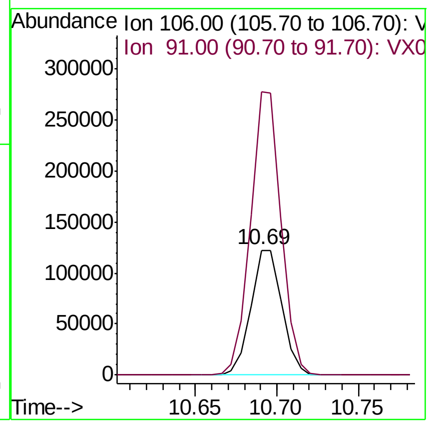
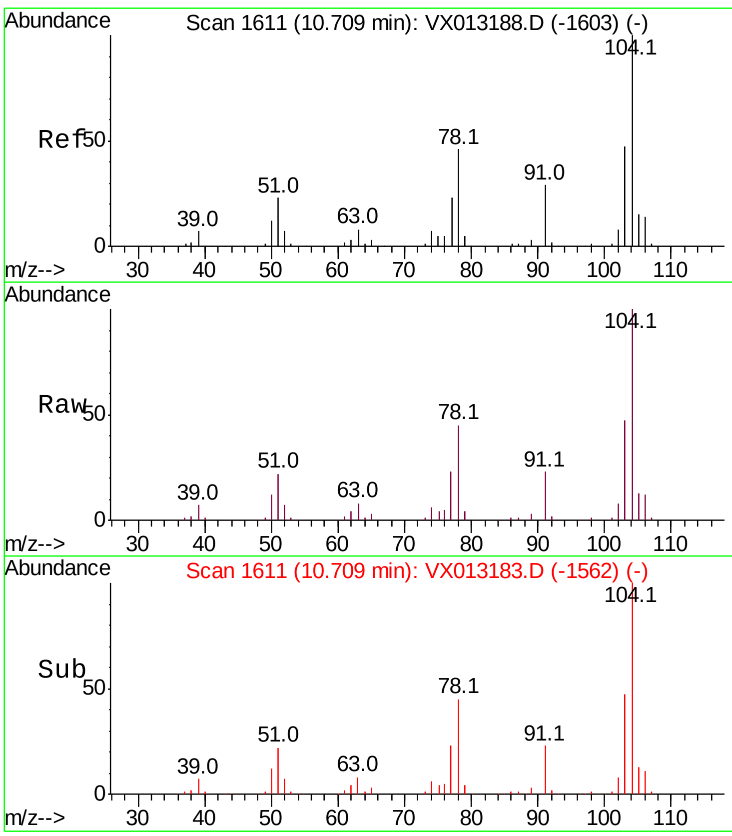
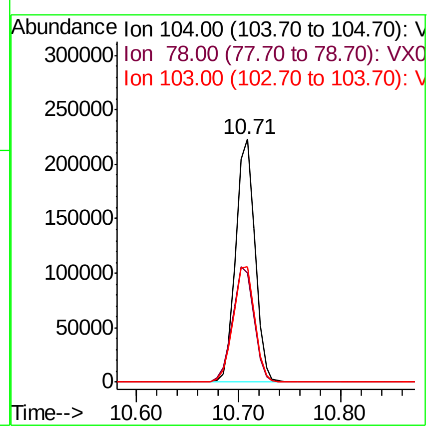


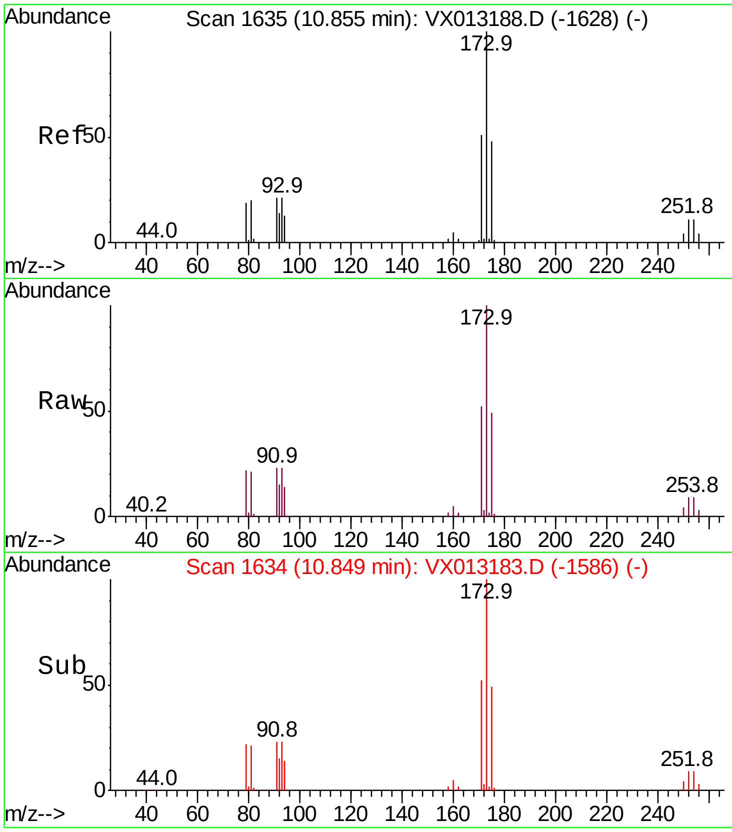




#70
Styrene
Concen: 53.564 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

Tgt Ion:104 Resp: 289754

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 53.0 | 42.2 | 63.4 |
| 103 | 53.1 | 42.8 | 64.2 |






#71
Bromoform
Concen: 57.708 ug/l
RT: 10.85 min Scan# 1634
Delta R.T. -0.01 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

Tgt Ion:173 Resp: 75400

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 47.4 | 24.3 | 72.8 |
| 254 | 0.2 | 0.1 | 0.1# |

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

**Manual Integrations APPROVED**
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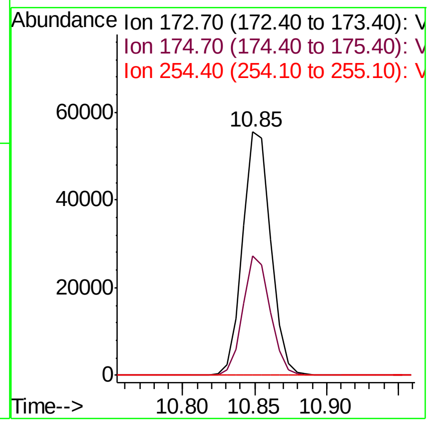
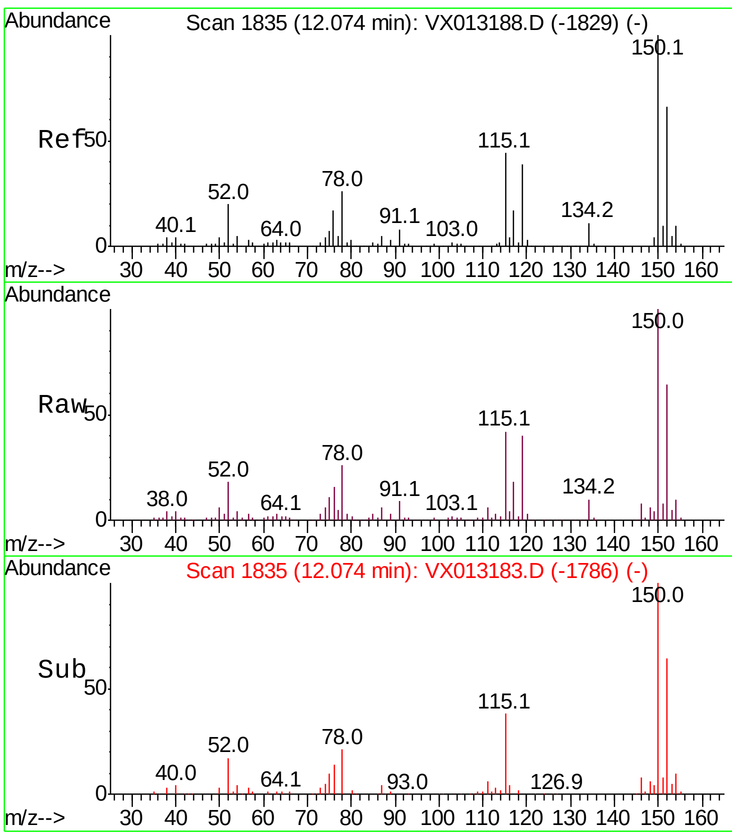
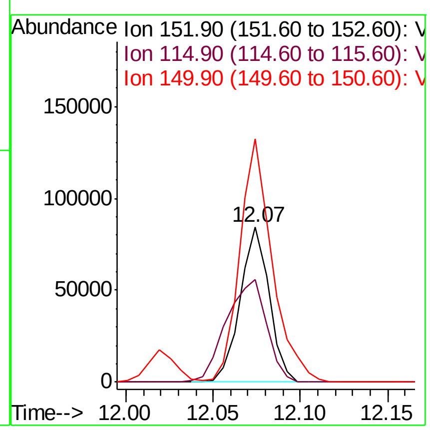


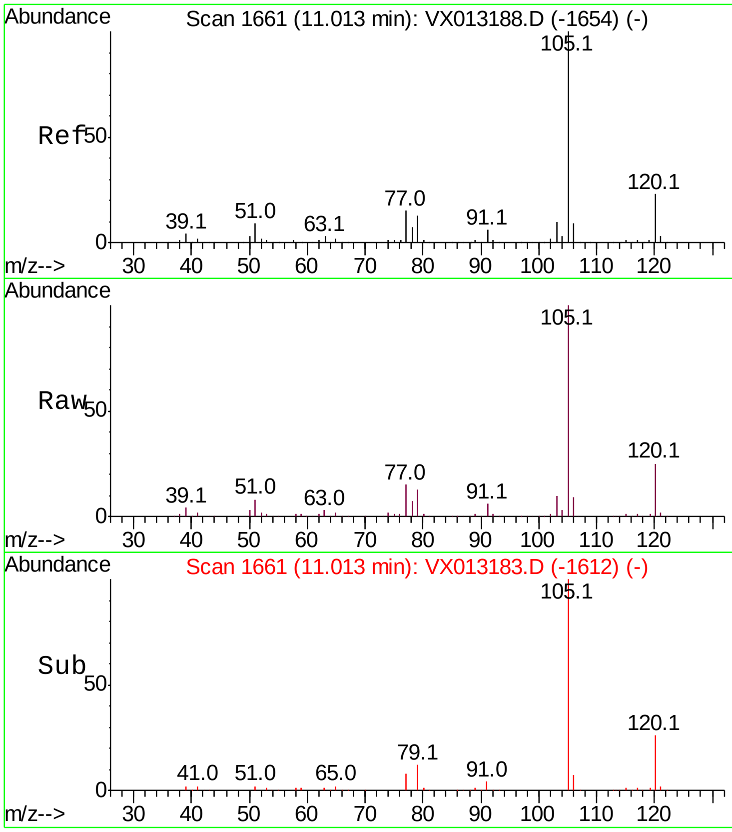




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

Tgt Ion:152 Resp: 97287

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 91.6 | 46.6 | 139.8 |
| 150 | 176.2 | 0.0 | 354.0 |






#73
Isopropylbenzene
Concen: 51.840 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

Tgt Ion:105 Resp: 457985

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.5 | 12.6 | 37.8 |

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

**Manual Integrations APPROVED**
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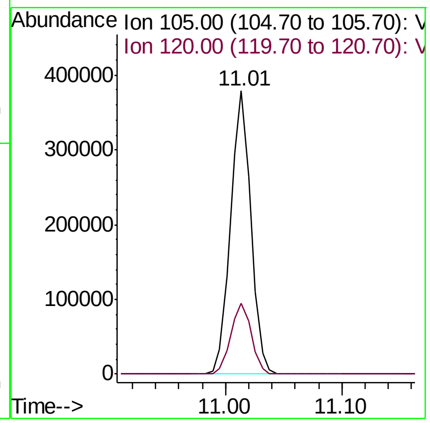
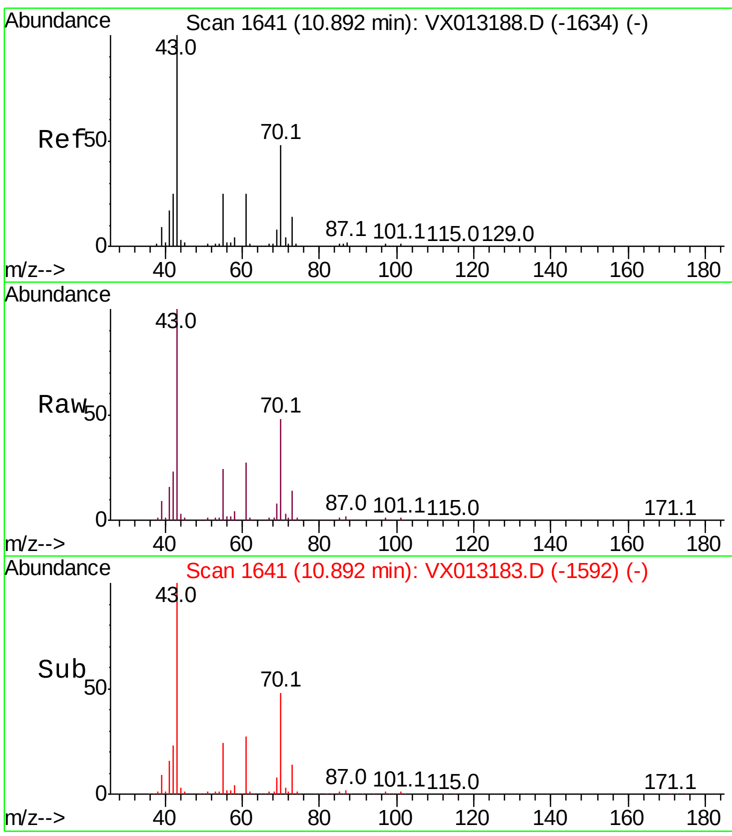
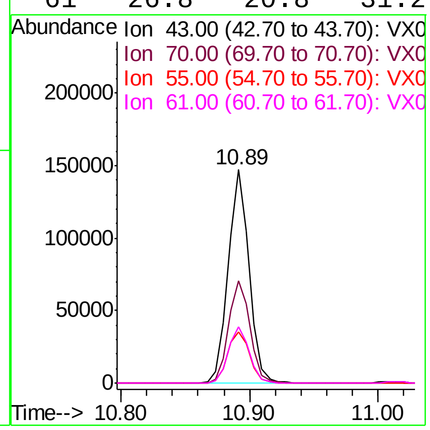



#74
N-amyl acetate
Concen: 52.053 ug/l
RT: 10.89 min Scan# 1641
Delta R.T. -0.00 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

Tgt Ion: 43 Resp: 168782

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 49.2 | 38.5 | 57.7 |
| 55 | 25.8 | 20.7 | 31.1 |
| 61 | 26.8 | 20.8 | 31.2 |



#75
1,1,2,2-Tetrachloroethane
Concen: 50.688 ug/l
RT: 11.26 min Scan# 1702
Delta R.T. -0.00 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

Tgt Ion: 83 Resp: 135970

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.9 | 5.3 | 16.1 |
| 85 | 64.4 | 31.4 | 94.3 |

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

**Manual Integrations APPROVED**
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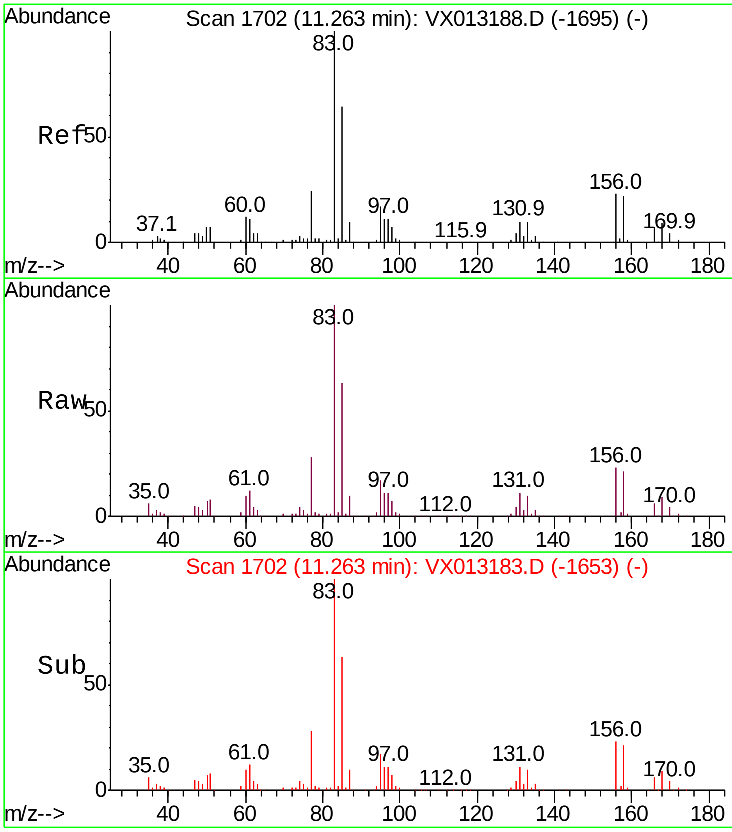
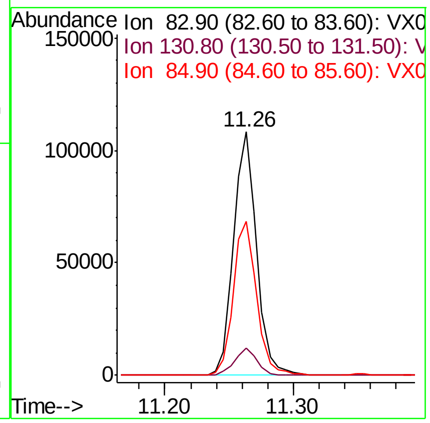
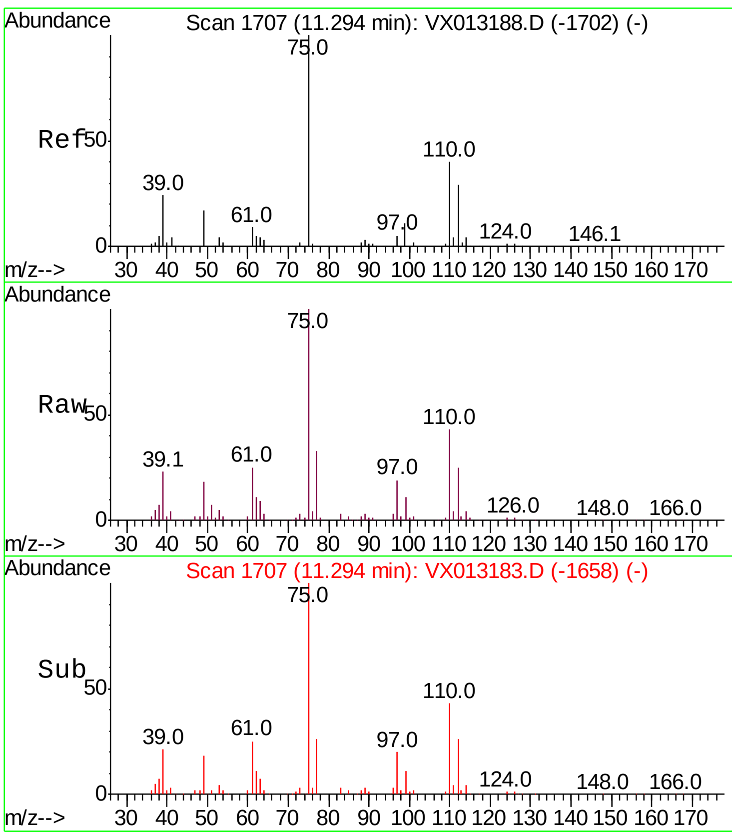


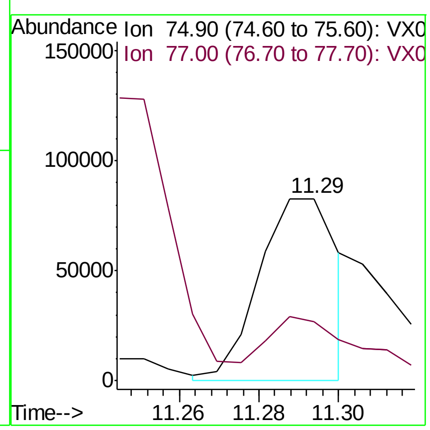



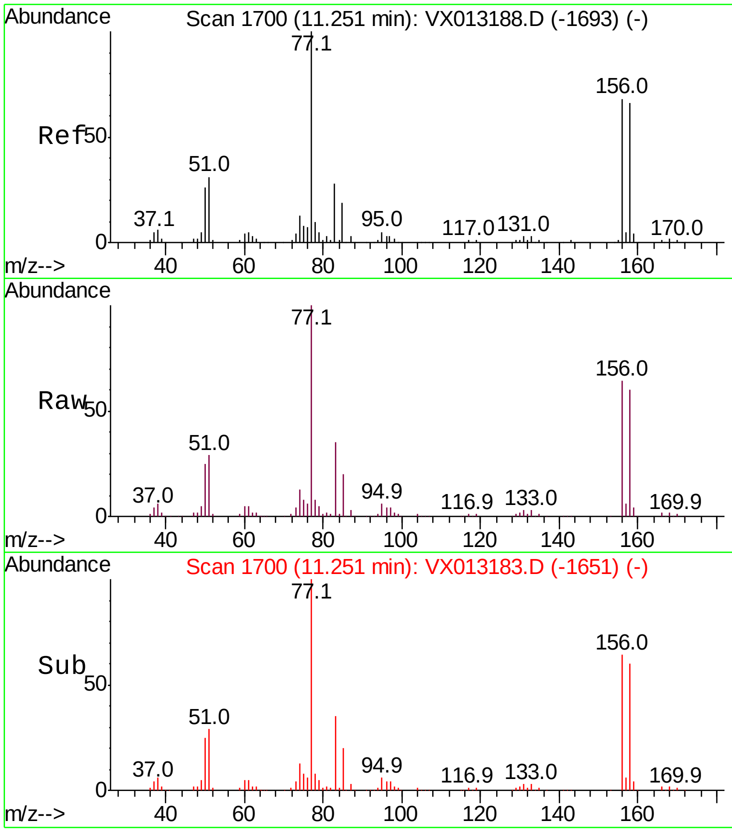

#76
1,2,3-Trichloropropane
Concen: 47.991 ug/l m
RT: 11.29 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

Tgt Ion: 75 Resp: 112529

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 43.0 | 19.1 | 57.5 |






#77
Bromobenzene
Concen: 50.747 ug/l
RT: 11.25 min Scan# 1700
Delta R.T. -0.00 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

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

**Manual Integrations APPROVED**
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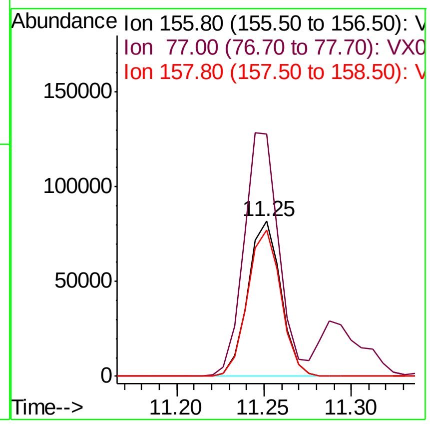
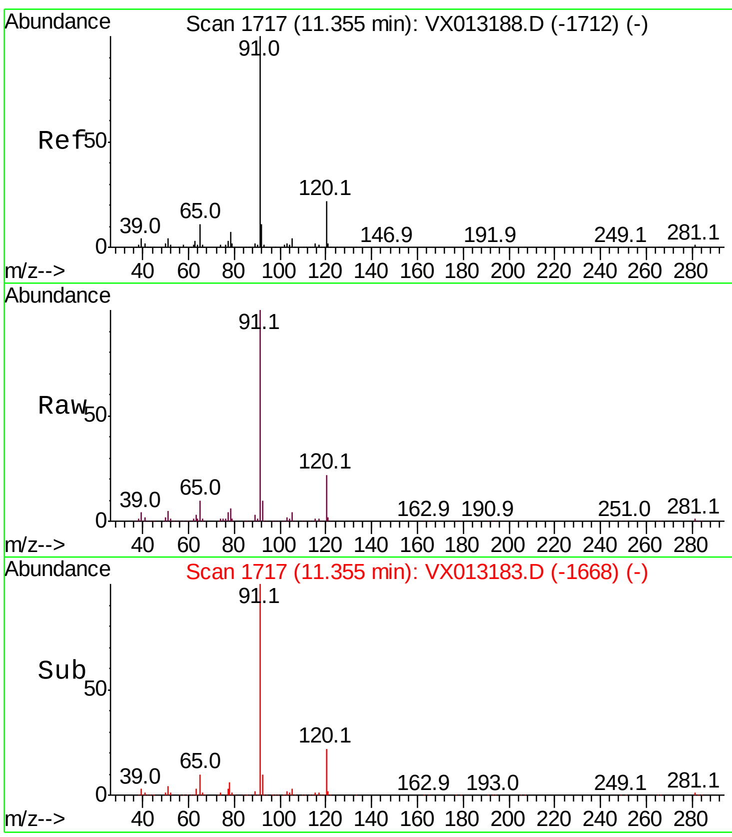
Tgt Ion:156 Resp: 107452

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 166.8 | 81.7 | 245.1 |
| 158 | 95.4 | 49.6 | 148.8 |

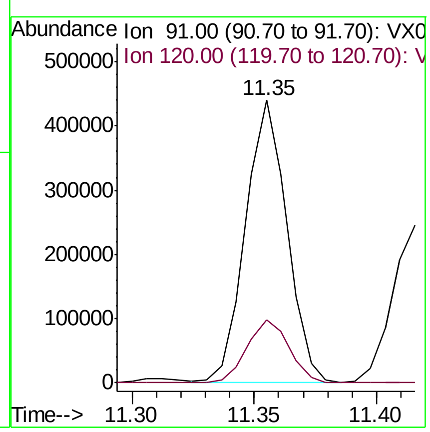


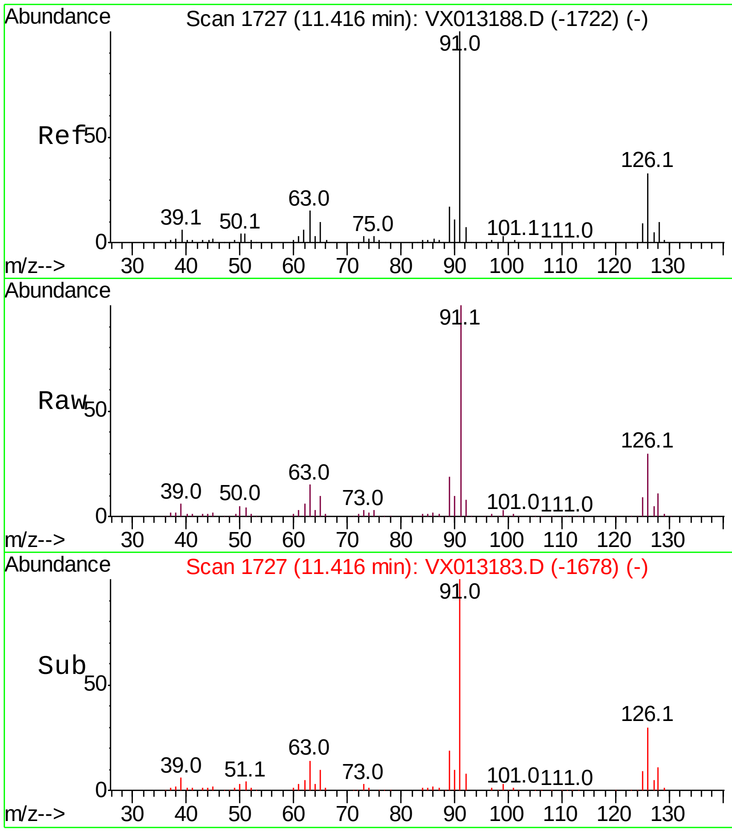




#78
n-propylbenzene
Concen: 53.427 ug/l
RT: 11.35 min Scan# 1717
Delta R.T. -0.00 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

Tgt Ion: 91 Resp: 512714

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 23.0 | 11.4 | 34.1 |






#79
2-Chlorotoluene
Concen: 50.905 ug/l
RT: 11.42 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

Tgt Ion: 91 Resp: 308652

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 30.7 | 16.3 | 48.8 |

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

**Manual Integrations APPROVED**
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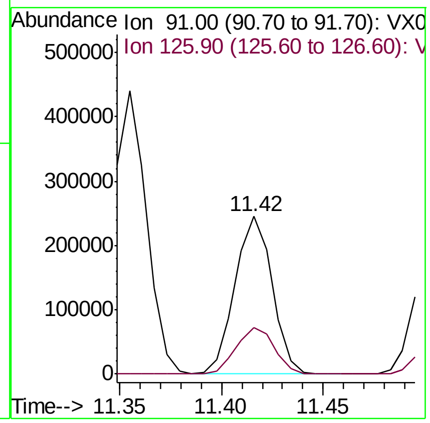
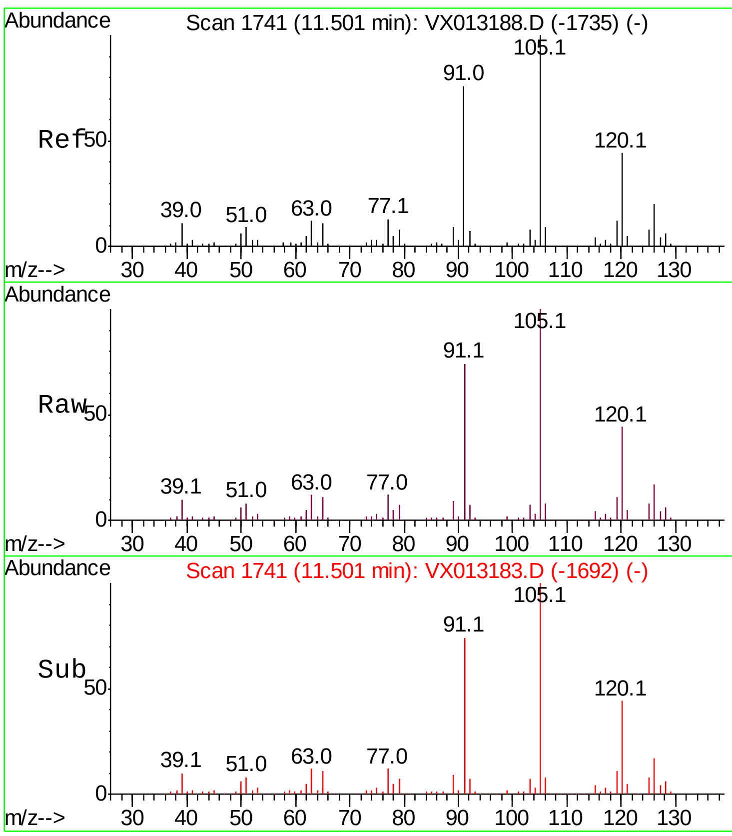
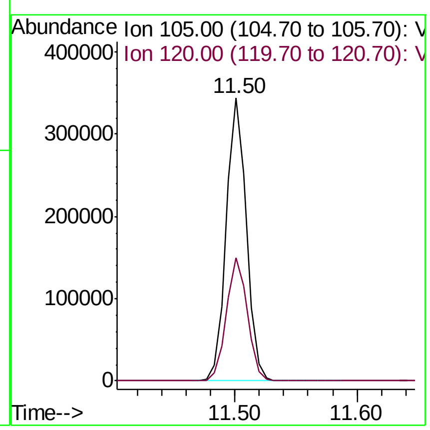


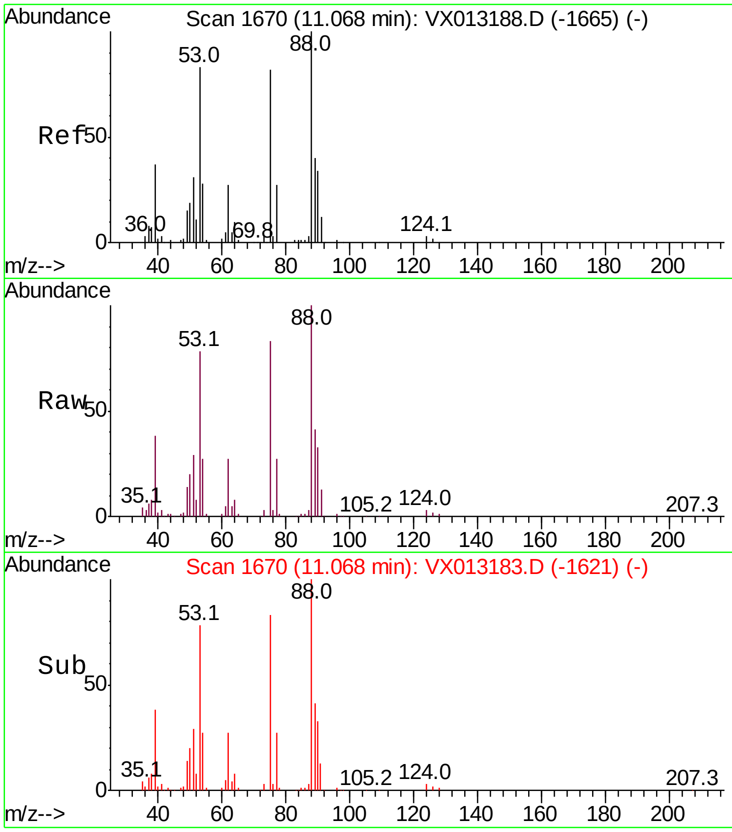




#80
1,3,5-Trimethylbenzene
Concen: 53.154 ug/l
RT: 11.50 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

Tgt Ion:105 Resp: 390318

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 45.4 | 23.4 | 70.0 |






#81
trans-1,4-Dichloro-2-butene
Concen:   54.788 ug/l
RT: 11.07 min   Scan# 1670
Delta R.T.   -0.00 min
Lab File:   VX013183.D
Acq: 23 Oct 2019  09:38

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

**Manual Integrations APPROVED**
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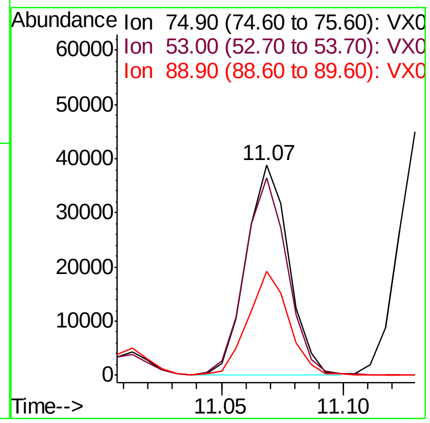
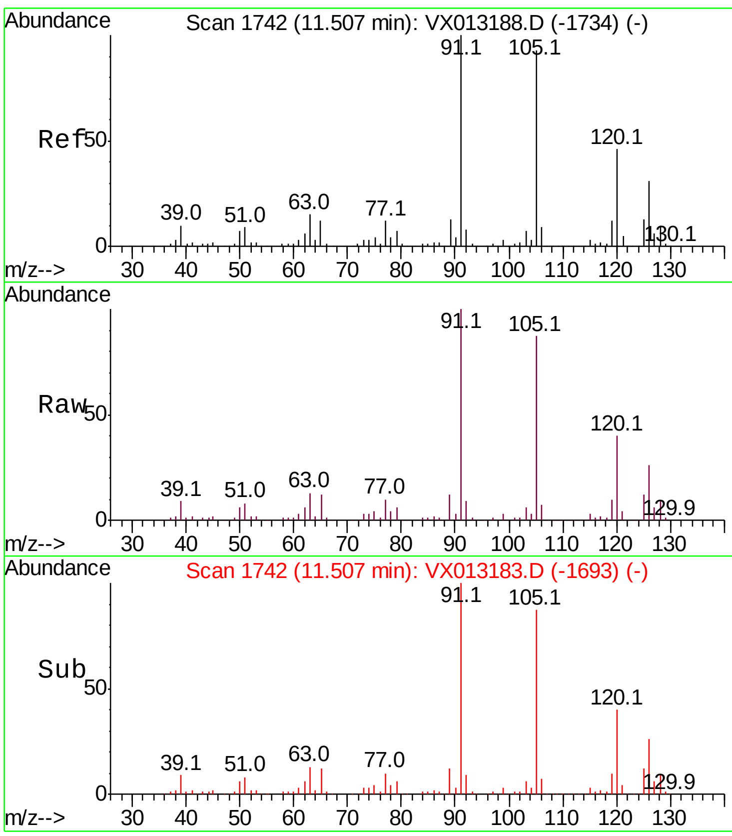
Tgt Ion: 75 Resp: 46750

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 94.5 | 77.9 | 116.9 |
| 89 | 47.4 | 37.3 | 55.9 |

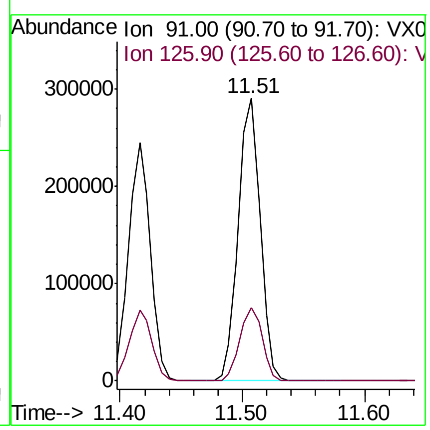


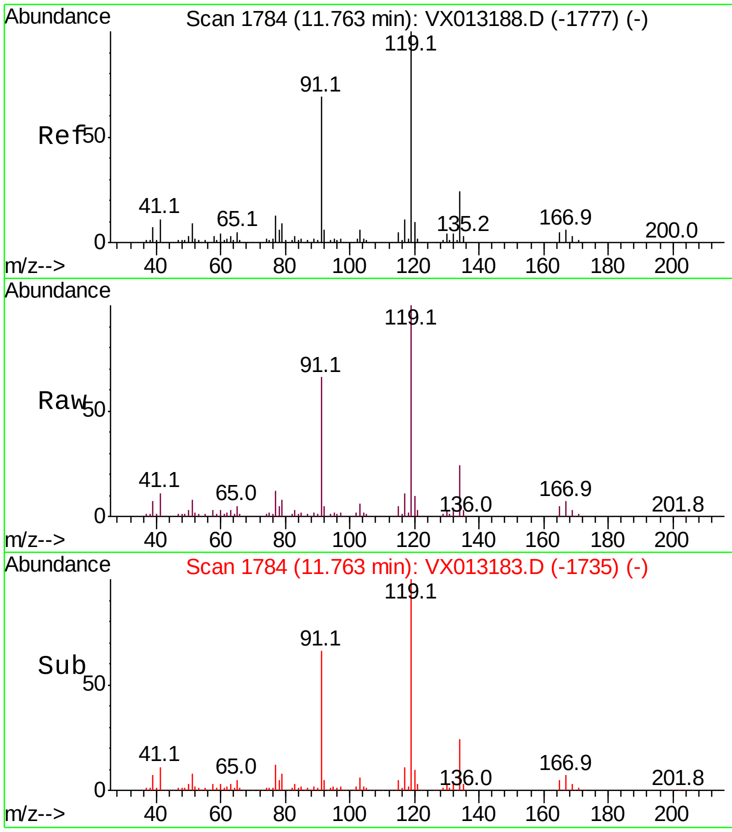




#82
4-Chlorotoluene
Concen:   52.343 ug/l
RT: 11.51 min   Scan# 1742
Delta R.T.   -0.00 min
Lab File:   VX013183.D
Acq: 23 Oct 2019  09:38

Tgt Ion: 91 Resp: 359604

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 26.8 | 14.6 | 44.0 |






#83
tert-Butylbenzene
Concen: 51.181 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.00 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

Tgt Ion:119 Resp: 371838

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 60.8 | 30.8 | 92.4 |
| 134 | 22.4 | 11.5 | 34.5 |

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

**Manual Integrations APPROVED**
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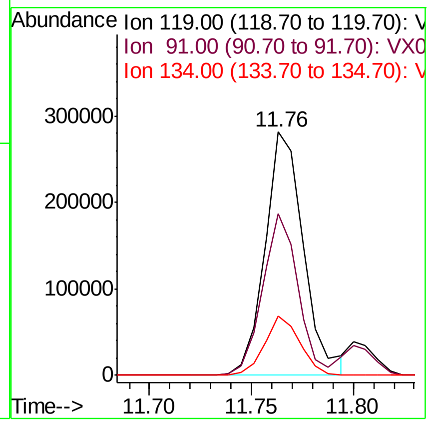
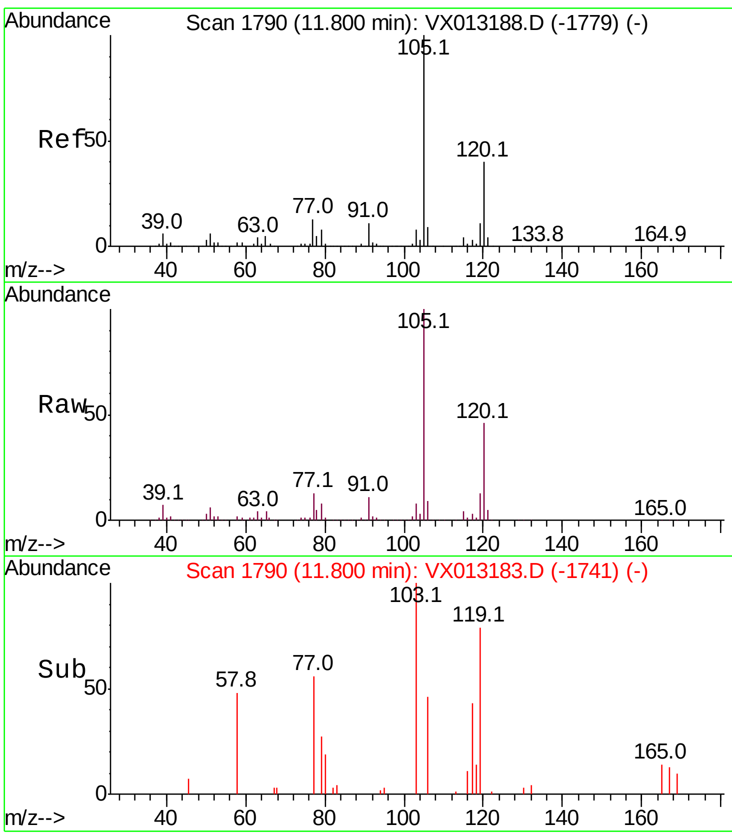
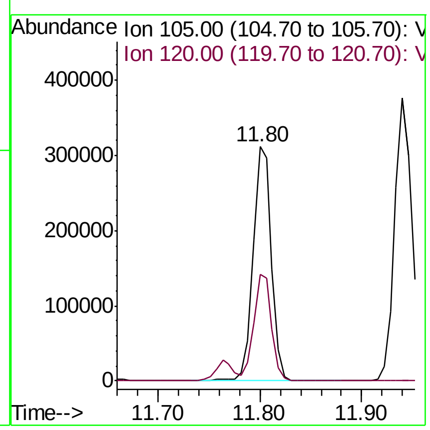


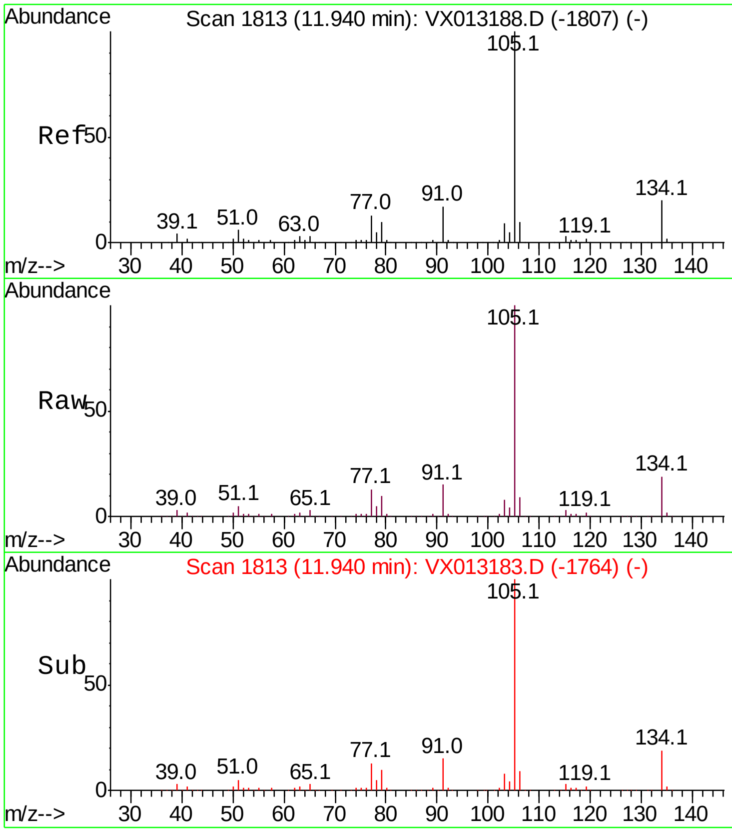




#84
1,2,4-Trimethylbenzene
Concen: 52.651 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.00 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

Tgt Ion:105 Resp: 389976

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.1 | 21.4 | 64.3 |






#85
sec-Butylbenzene
Concen: 54.232 ug/l
RT: 11.94 min Scan# 1813
Delta R.T. -0.00 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

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

| Tgt Ion:105 | Resp: | 448375 | |
|---|---|---|---|
| Ion | Ratio | Lower | Upper |
| 105 | 100 | | |
| 134 | 19.6 | 9.9 | 29.7 |

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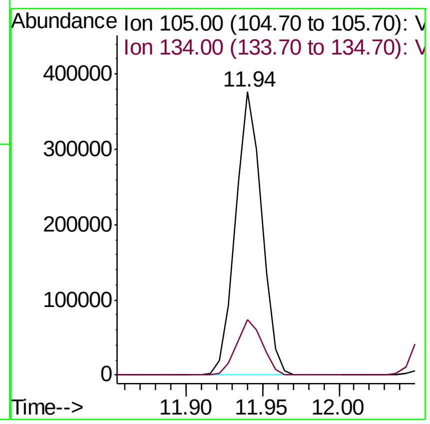
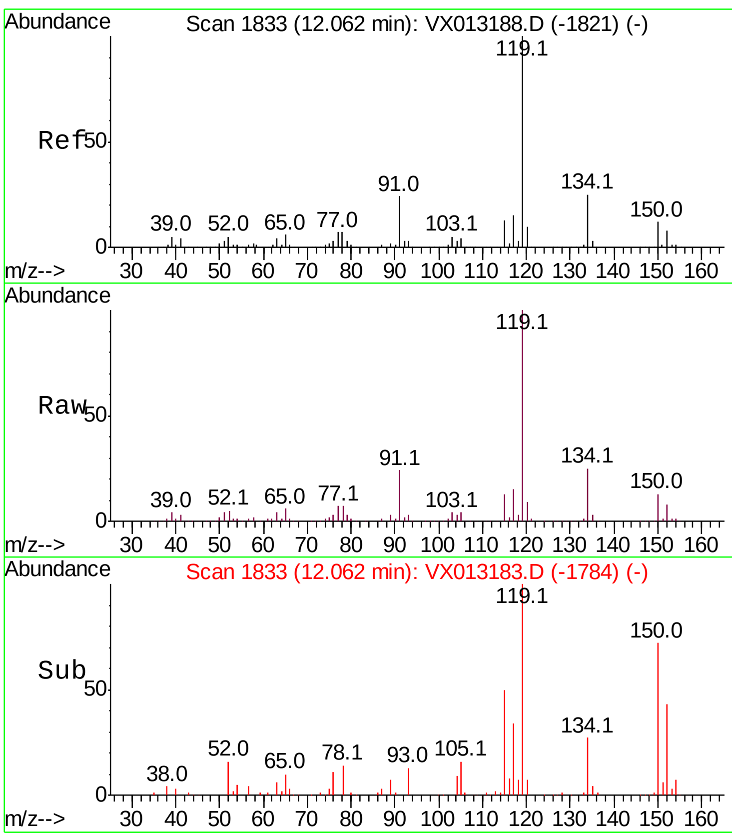
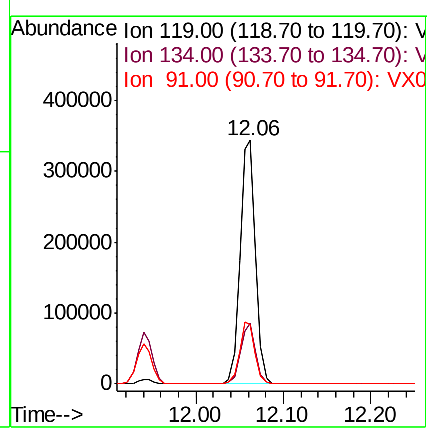
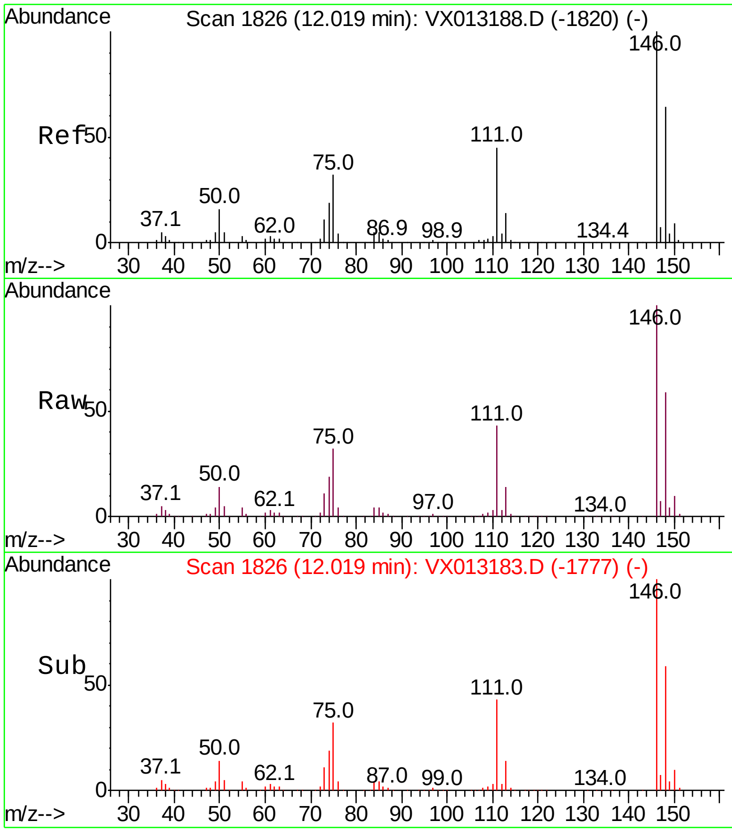



#86
p-Isopropyltoluene
Concen: 54.602 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

| Tgt Ion:119 | Resp: | 424104 | |
|---|---|---|---|
| Ion | Ratio | Lower | Upper |
| 119 | 100 | | |
| 134 | 24.0 | 12.5 | 37.5 |
| 91 | 24.9 | 12.4 | 37.2 |






#87
1,3-Dichlorobenzene
Concen: 52.353 ug/l
RT: 12.02 min Scan# 1826
Delta R.T. -0.00 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

Tgt Ion:146 Resp: 200263

| Ion | Ratio | Lower | Upper |
| --- | --- | --- | --- |
| 146 | 100 | | |
| 111 | 43.3 | 21.3 | 63.9 |
| 148 | 62.3 | 31.6 | 94.8 |

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

**Manual Integrations APPROVED**
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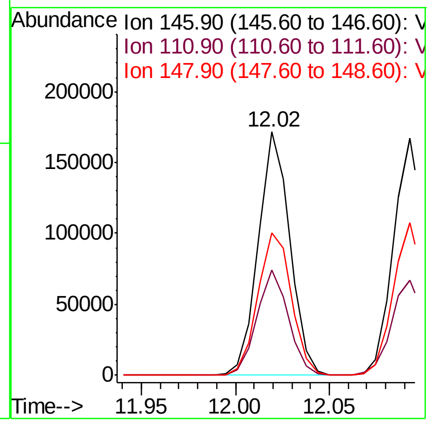
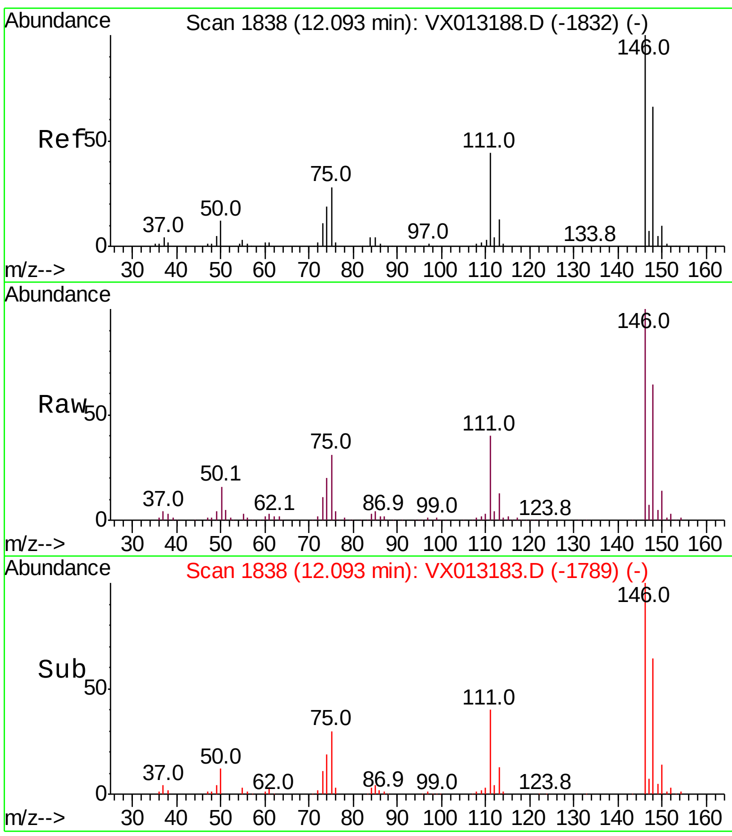
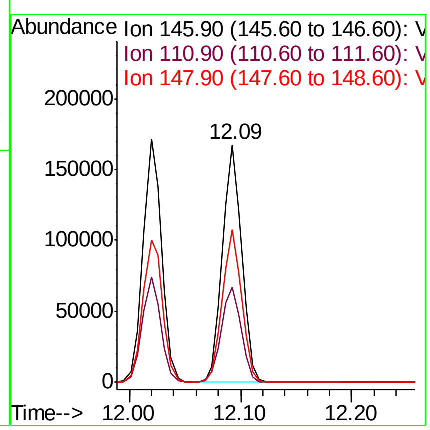


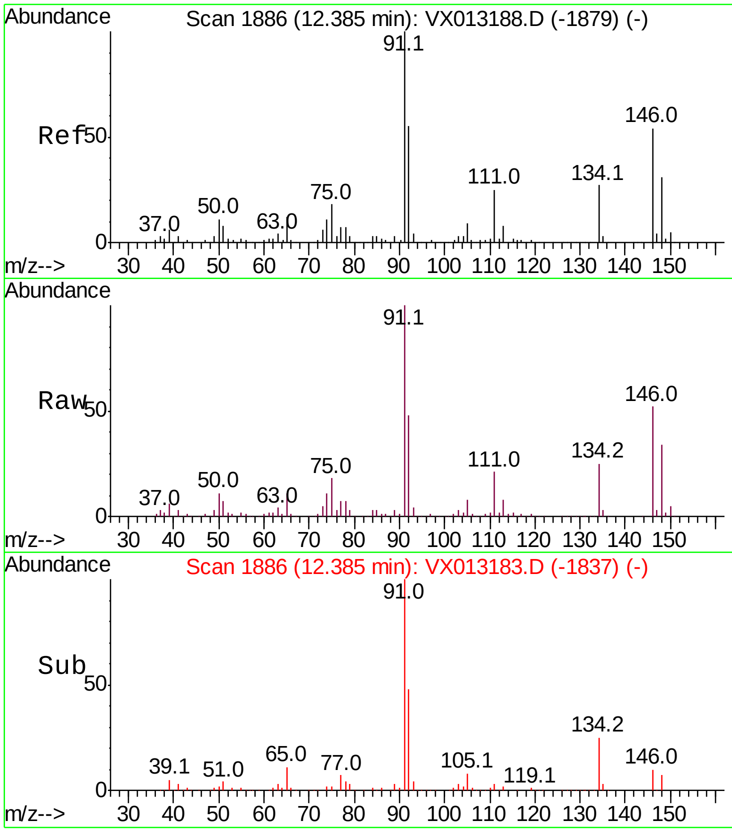




#88
1,4-Dichlorobenzene
Concen: 51.538 ug/l
RT: 12.09 min Scan# 1838
Delta R.T. -0.00 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

Tgt Ion:146 Resp: 200723

| Ion | Ratio | Lower | Upper |
| --- | --- | --- | --- |
| 146 | 100 | | |
| 111 | 41.7 | 21.3 | 63.9 |
| 148 | 64.1 | 32.5 | 97.5 |






#89
n-Butylbenzene
Concen:   56.698 ug/l
RT: 12.39 min   Scan# 1886
Delta R.T.   -0.00 min
Lab File:   VX013183.D
Acq: 23 Oct 2019   09:38

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

**Manual Integrations APPROVED**
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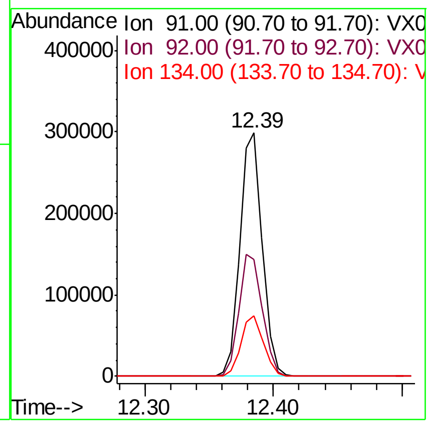
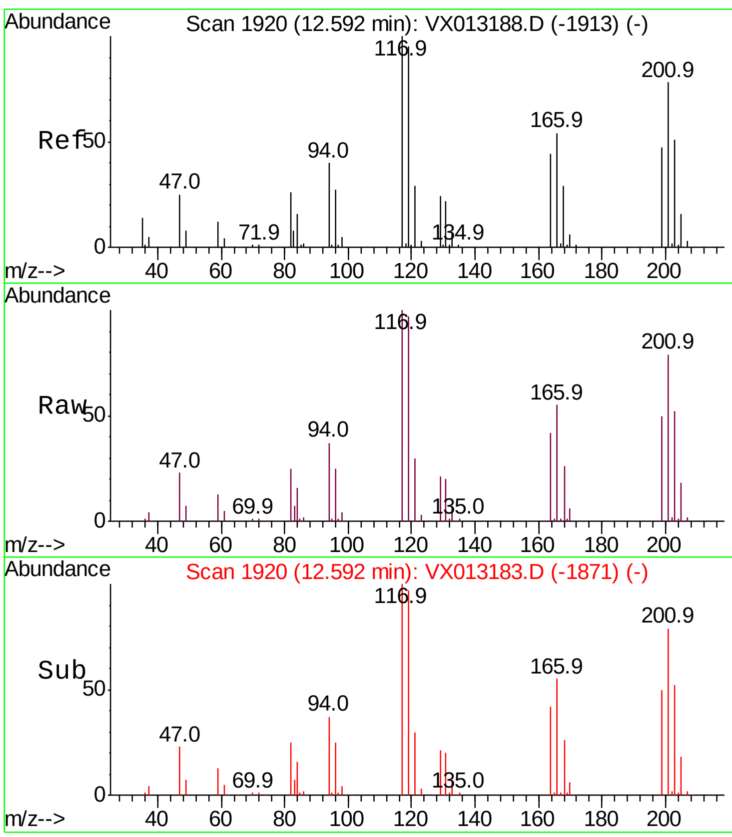
Tgt Ion: 91 Resp:   360250

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.5 | 27.7 | 83.1 |
| 134 | 25.0 | 13.2 | 39.6 |

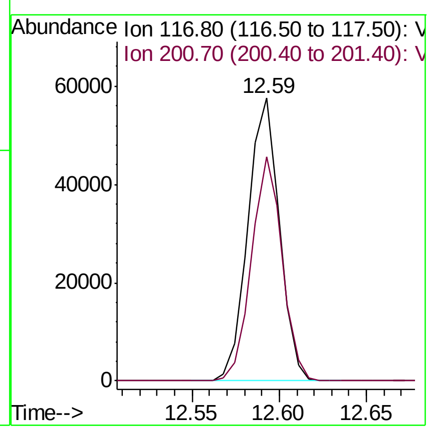


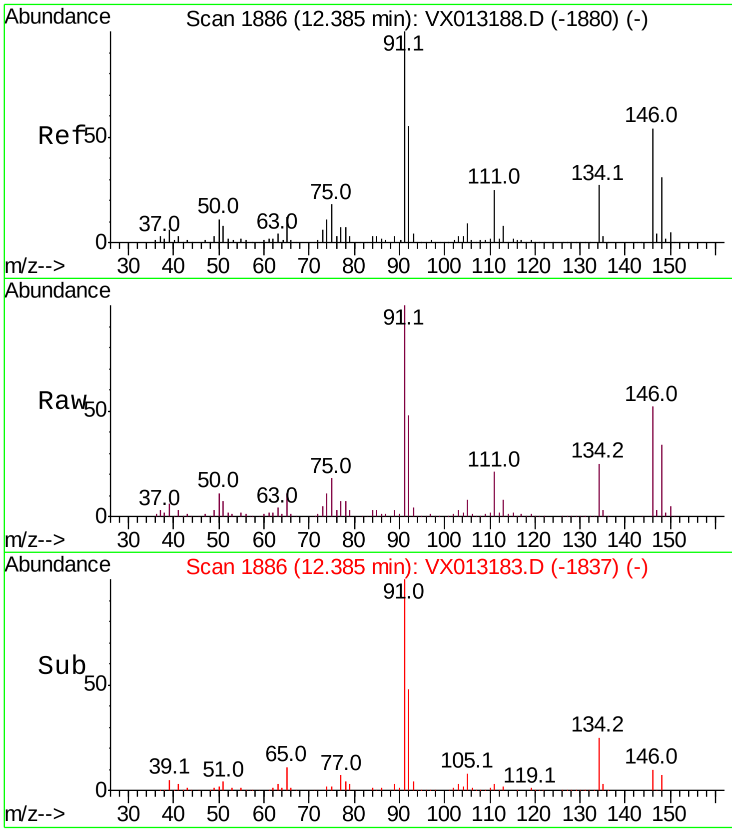




#90
Hexachloroethane
Concen:   55.392 ug/l
RT: 12.59 min   Scan# 1920
Delta R.T.   -0.00 min
Lab File:   VX013183.D
Acq: 23 Oct 2019   09:38

Tgt Ion:117 Resp:   72051

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 77.2 | 39.0 | 116.9 |






#91
1,2-Dichlorobenzene
Concen:   50.979 ug/l
RT: 12.39 min  Scan# 1886
Delta R.T.   -0.00 min
Lab File:   VX013183.D
Acq: 23 Oct 2019  09:38

Tgt Ion:146 Resp:  191760

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.5 | 22.9 | 68.8 |
| 148 | 65.0 | 31.8 | 95.3 |

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

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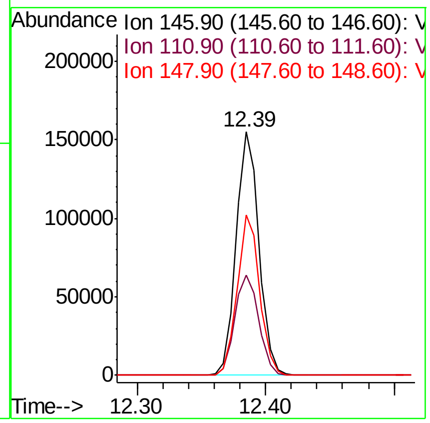
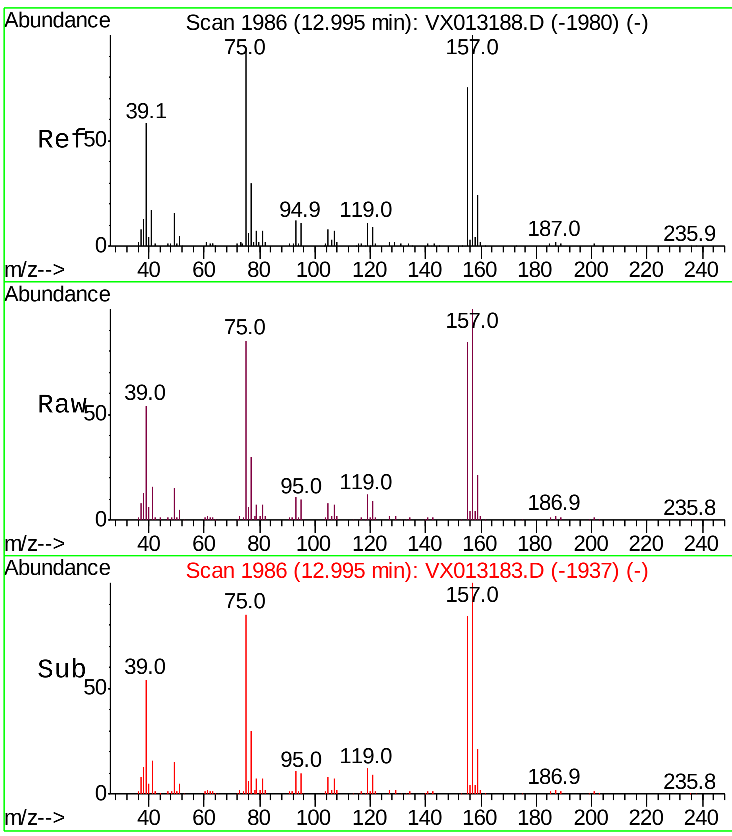
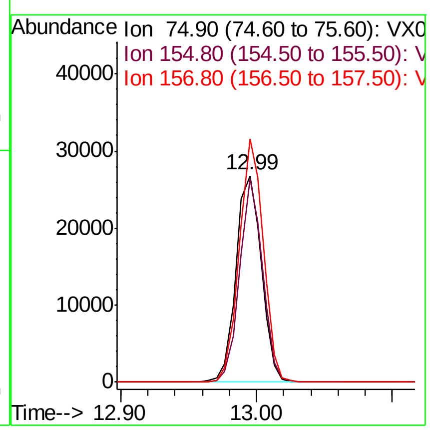


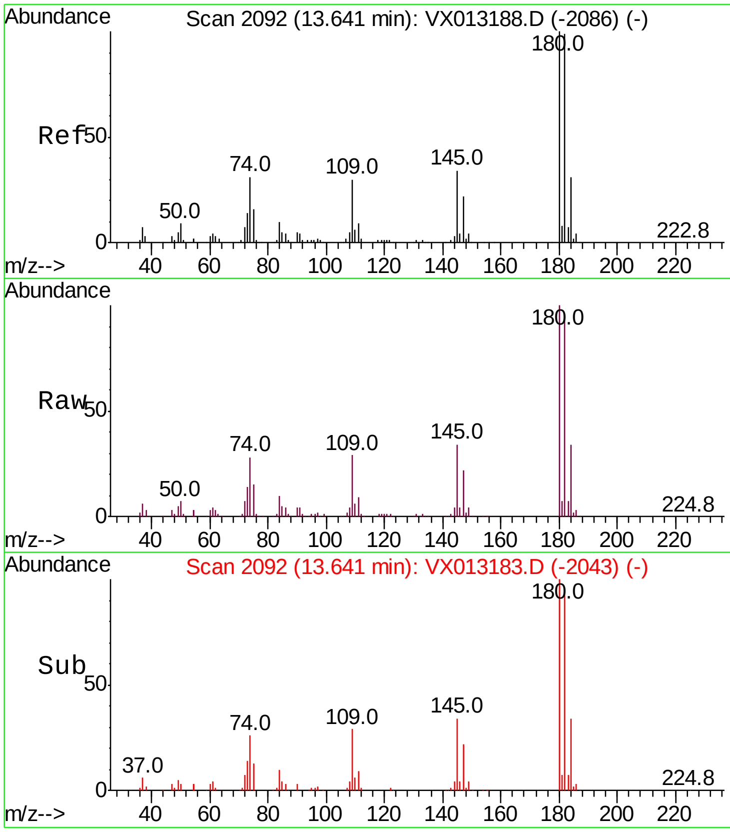




#92
1,2-Dibromo-3-Chloropropane
Concen:   52.249 ug/l
RT: 12.99 min  Scan# 1986
Delta R.T.   -0.00 min
Lab File:   VX013183.D
Acq: 23 Oct 2019  09:38

Tgt Ion: 75 Resp:   34854

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 88.5 | 42.8 | 128.4 |
| 157 | 111.5 | 54.3 | 162.8 |






#93
1,2,4-Trichlorobenzene
Concen: 52.649 ug/l
RT: 13.64 min Scan# 2092
Delta R.T. -0.00 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

Tgt Ion:180 Resp: 124703

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.3 | 45.9 | 137.6 |
| 145 | 34.3 | 15.9 | 47.6 |

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

**Manual Integrations APPROVED**
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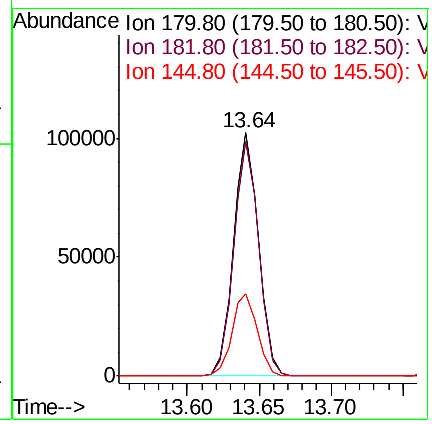
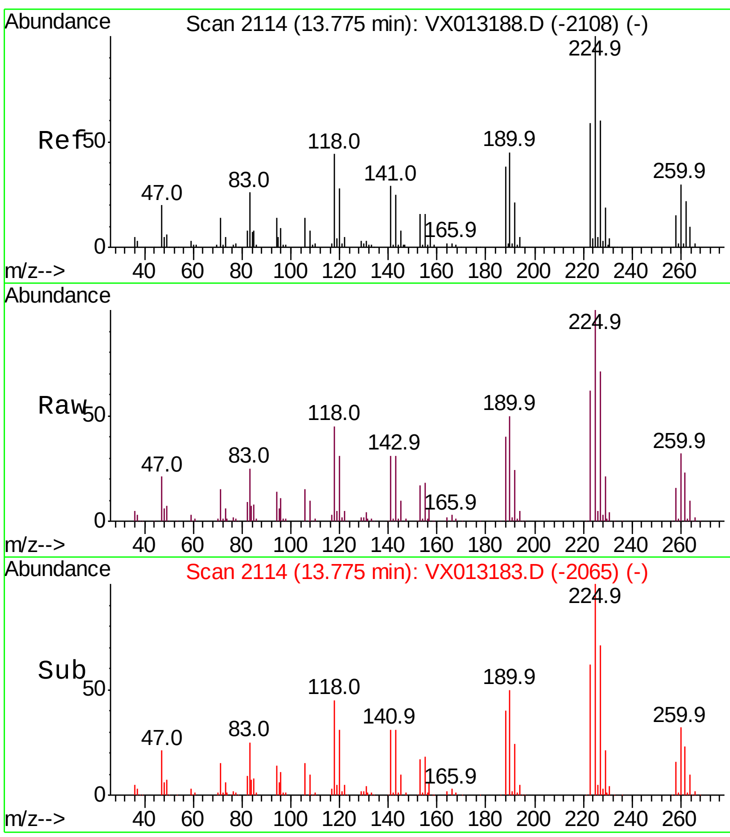
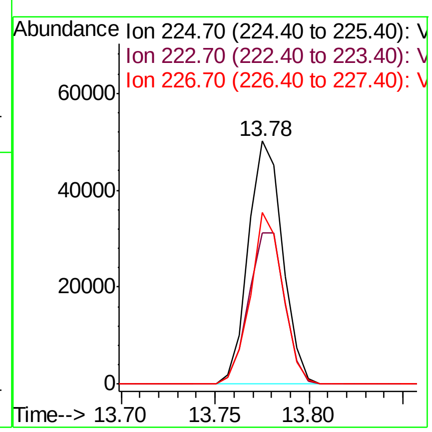


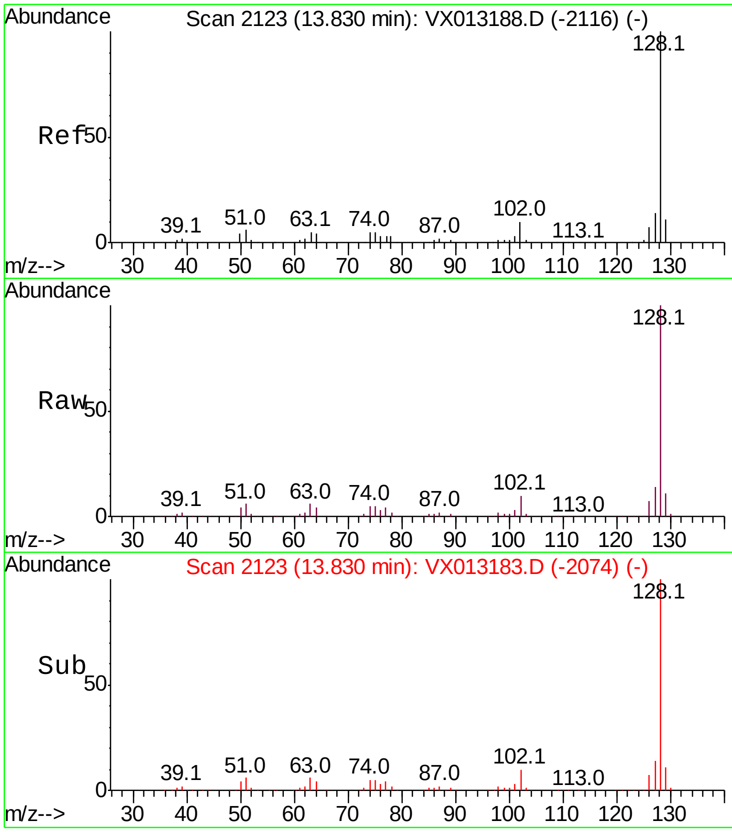




#94
Hexachlorobutadiene
Concen: 51.713 ug/l
RT: 13.78 min Scan# 2114
Delta R.T. -0.00 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

Tgt Ion:225 Resp: 63361

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 65.3 | 30.9 | 92.5 |
| 227 | 66.8 | 30.3 | 90.9 |






#95
Naphthalene
Concen: 54.761 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

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

**Manual Integrations APPROVED**
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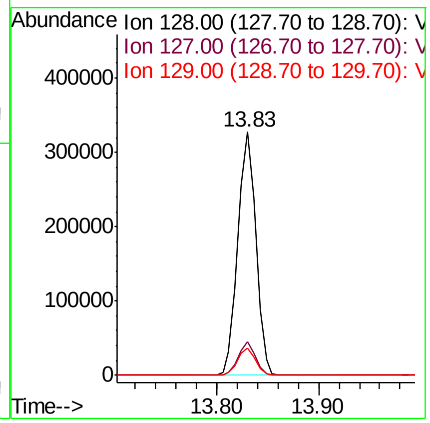
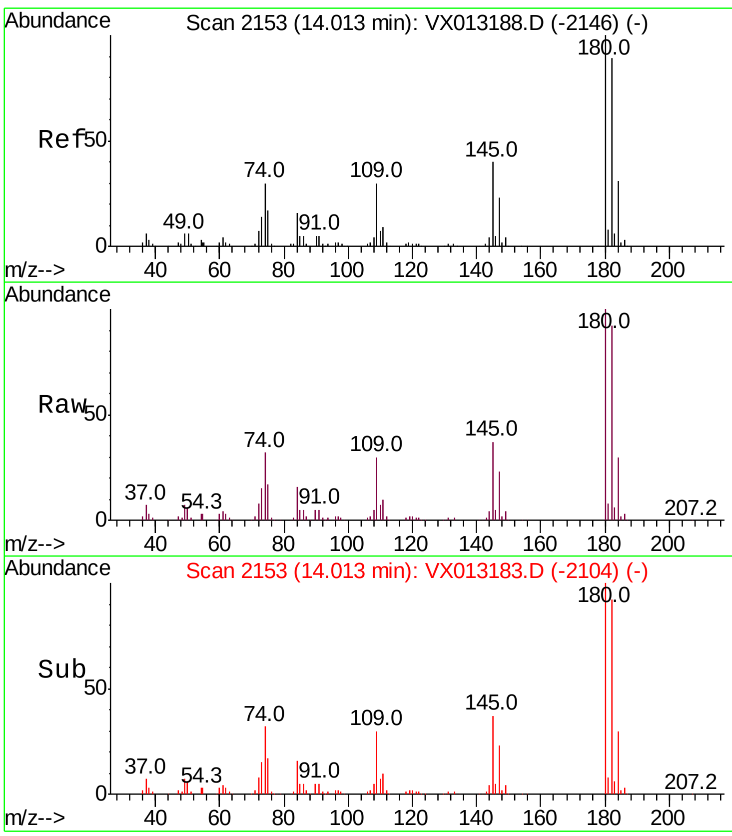
Tgt Ion:128 Resp: 398085

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.0 | 10.7 | 16.1 |
| 129 | 11.1 | 8.6 | 13.0 |




#96
1,2,3-Trichlorobenzene
Concen: 53.344 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VX013183.D
Acq: 23 Oct 2019 09:38

Tgt Ion:180 Resp: 124855

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.4 | 48.3 | 144.9 |
| 145 | 36.5 | 18.6 | 55.6 |