Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101119\
Data File : VX013031.D
Acq On : 11 Oct 2019 21:00
Operator : JC/SP
Sample : K5313-10MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FA19-JMW3202MSD

Manual Integrations APPROVED
MMDadoda
10/14/2019 10:39:45 AM

Quant Time: Oct 12 05:46:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 11 09:48:22 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 5.65 | 168 | 157627 | 50.00 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 6.85 | 114 | 267982 | 50.00 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 10.11 | 117 | 242612 | 50.00 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.07 | 152 | 115144 | 50.00 | ug/l | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 6.05 | 65 | 99926 | 50.72 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 101.44% | | | | |
| 35) Dibromofluoromethane | 5.49 | 113 | 79290 | 51.55 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 103.10% | | | | |
| 50) Toluene-d8 | 8.71 | 98 | 302314 | 50.40 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 100.80% | | | | |
| 62) 4-Bromofluorobenzene | 11.14 | 95 | 118652 | 50.90 | ug/l | | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 101.80% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.19 | 85 | 77461 | 48.211 | ug/l | | 99 |
| 3) Chloromethane | 1.32 | 50 | 86130 | 49.256 | ug/l | | 96 |
| 4) Vinyl Chloride | 1.40 | 62 | 117796 | 65.267 | ug/l | | 99 |
| 5) Bromomethane | 1.63 | 94 | 36966 | 49.271 | ug/l | | 97 |
| 6) Chloroethane | 1.71 | 64 | 54595 | 49.525 | ug/l | | 97 |
| 7) Trichlorofluoromethane | 1.92 | 101 | 127909 | 52.508 | ug/l | | 99 |
| 8) Diethyl Ether | 2.18 | 74 | 50813 | 51.678 | ug/l | | 99 |
| 9) 1,1,2-Trichlorotrifluoroet | 2.37 | 101 | 78284 | 49.655 | ug/l | | 100 |
| 10) Methyl Iodide | 2.50 | 142 | 97083 | 53.913 | ug/l | | 99 |
| 11) Tert butyl alcohol | 3.03 | 59 | 116159 | 222.414 | ug/l | | 100 |
| 12) 1,1-Dichloroethene | 2.36 | 96 | 83035 | 52.128 | ug/l | | 97 |
| 13) Acrolein | 2.28 | 56 | 104321 | 281.074 | ug/l | | 100 |
| 14) Allyl chloride | 2.72 | 41 | 143446 | 50.567 | ug/l | | 98 |
| 15) Acrylonitrile | 3.13 | 53 | 275027 | 277.881 | ug/l | | 98 |
| 16) Acetone | 2.44 | 43 | 226188 | 217.811 | ug/l | | 100 |
| 17) Carbon Disulfide | 2.56 | 76 | 218198 | 48.040 | ug/l | | 99 |
| 18) Methyl Acetate | 2.76 | 43 | 122135 | 49.620 | ug/l | | 98 |
| 19) Methyl tert-butyl Ether | 3.19 | 73 | 301558 | 54.820 | ug/l | # | 33 |
| 20) Methylene Chloride | 2.84 | 84 | 95891 | 50.245 | ug/l | # | 80 |
| 21) trans-1,2-Dichloroethene | 3.16 | 96 | 90325 | 52.905 | ug/l | | 99 |
| 22) Diisopropyl ether | 3.84 | 45 | 292375 | 53.788 | ug/l | | 93 |
| 23) Vinyl Acetate | 3.80 | 43 | 1235780 | 263.352 | ug/l | | 99 |
| 24) 1,1-Dichloroethane | 3.69 | 63 | 162922 | 53.277 | ug/l | | 99 |
| 25) 2-Butanone | 4.66 | 43 | 365827 | 253.920 | ug/l | | 99 |
| 26) 2,2-Dichloropropane | 4.57 | 77 | 117372 | 45.643 | ug/l | | 94 |
| 27) cis-1,2-Dichloroethene | 4.58 | 96 | 172859 | 87.836 | ug/l | | 94 |
| 28) Bromochloromethane | 5.00 | 49 | 47501 | 51.995 | ug/l | | 99 |
| 29) Tetrahydrofuran | 5.12 | 42 | 234808 | 264.850 | ug/l | | 99 |
| 30) Chloroform | 5.20 | 83 | 167712 | 53.450 | ug/l | | 99 |
| 31) Cyclohexane | 5.57 | 56 | 523330 | 183.018 | ug/l | | 99 |
| 32) 1,1,1-Trichloroethane | 5.48 | 97 | 146549 | 55.122 | ug/l | | 98 |
| 36) 1,1-Dichloropropene | 5.79 | 75 | 124419 | 52.807 | ug/l | | 99 |
| 37) Ethyl Acetate | 4.82 | 43 | 134265 | 50.962 | ug/l | | 99 |
| 38) Carbon Tetrachloride | 5.78 | 117 | 121832 | 53.125 | ug/l | | 97 |

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Acq On : 11 Oct 2019 21:00
Operator : JC/SP
Sample : K5313-10MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** FA19-JMW3202MSD

**Manual Integrations APPROVED**
MMDadoda
10/14/2019 10:39:45 AM

Quant Time: Oct 12 05:46:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 11 09:48:22 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 39) Methylcyclohexane | 7.46 | 83 | 497321 | 174.051 | ug/l | | 99 |
| 40) Benzene | 6.14 | 78 | 628580 | 90.329 | ug/l | | 100 |
| 41) Methacrylonitrile | 5.03 | 41 | 76711 | 52.989 | ug/l | | 99 |
| 42) 1,2-Dichloroethane | 6.19 | 62 | 138866 | 55.613 | ug/l | | 99 |
| 43) Isopropyl Acetate | 6.43 | 43 | 230006 | 54.393 | ug/l | | 99 |
| 44) Trichloroethene | 7.20 | 130 | 99819 | 51.728 | ug/l | | 91 |
| 45) 1,2-Dichloropropane | 7.51 | 63 | 99522 | 56.114 | ug/l | | 100 |
| 46) Dibromomethane | 7.65 | 93 | 64845 | 54.876 | ug/l | | 100 |
| 47) Bromodichloromethane | 7.89 | 83 | 129755 | 56.268 | ug/l | | 100 |
| 48) Methyl methacrylate | 7.76 | 41 | 126235 | 61.260 | ug/l | # | 88 |
| 49) 1,4-Dioxane | 7.73 | 88 | 47310 | 860.607 | ug/l | | 98 |
| 51) 4-Methyl-2-Pentanone | 8.64 | 43 | 735975 | 279.156 | ug/l | | 99 |
| 52) Toluene | 8.78 | 92 | 331188 | 74.392 | ug/l | | 98 |
| 53) t-1,3-Dichloropropene | 9.04 | 75 | 138262 | 48.129 | ug/l | | 99 |
| 54) cis-1,3-Dichloropropene | 8.43 | 75 | 152538 | 53.783 | ug/l | | 98 |
| 55) 1,1,2-Trichloroethane | 9.21 | 97 | 94699 | 53.750 | ug/l | | 98 |
| 56) Ethyl methacrylate | 9.17 | 69 | 170103 | 53.774 | ug/l | | 98 |
| 57) 1,3-Dichloropropane | 9.37 | 76 | 164380 | 53.937 | ug/l | | 100 |
| 59) 2-Hexanone | 9.49 | 43 | 538884 | 262.576 | ug/l | | 98 |
| 60) Dibromochloromethane | 9.58 | 129 | 98627 | 50.293 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.67 | 107 | 102696 | 55.411 | ug/l | | 100 |
| 64) Tetrachloroethene | 9.33 | 164 | 79508 | 47.249 | ug/l | | 91 |
| 65) Chlorobenzene | 10.14 | 112 | 253944 | 52.708 | ug/l | | 100 |
| 66) 1,1,1,2-Tetrachloroethane | 10.22 | 131 | 92787 | 55.545 | ug/l | | 99 |
| 67) Ethyl Benzene | 10.25 | 91 | 877987 | 102.593 | ug/l | | 99 |
| 68) m/p-Xylenes | 10.36 | 106 | 730695 | 228.549 | ug/l | | 99 |
| 69) o-Xylene | 10.70 | 106 | 189884 | 60.904 | ug/l | | 97 |
| 70) Styrene | 10.71 | 104 | 293430 | 55.362 | ug/l | | 98 |
| 71) Bromoform | 10.85 | 173 | 66454 | 46.905 | ug/l | # | 100 |
| 73) Isopropylbenzene | 11.01 | 105 | 598340 | 70.679 | ug/l | | 100 |
| 74) N-amyl acetate | 10.89 | 43 | 195379 | 53.588 | ug/l | | 98 |
| 75) 1,1,2,2-Tetrachloroethane | 11.26 | 83 | 150345 | 53.396 | ug/l | | 98 |
| 76) 1,2,3-Trichloropropane | 11.29 | 75 | 139935m | 54.793 | ug/l | | |
| 77) Bromobenzene | 11.25 | 156 | 104160 | 52.213 | ug/l | | 97 |
| 78) n-propylbenzene | 11.35 | 91 | 679377 | 72.931 | ug/l | | 99 |
| 79) 2-Chlorotoluene | 11.42 | 91 | 355127 | 60.660 | ug/l | | 92 |
| 80) 1,3,5-Trimethylbenzene | 11.50 | 105 | 614135 | 86.880 | ug/l | | 98 |
| 81) trans-1,4-Dichloro-2-buten | 11.07 | 75 | 43389 | 44.204 | ug/l | | 99 |
| 82) 4-Chlorotoluene | 11.51 | 91 | 387816 | 57.795 | ug/l | | 96 |
| 83) tert-Butylbenzene | 11.77 | 119 | 371618 | 53.893 | ug/l | | 97 |
| 84) 1,2,4-Trimethylbenzene | 11.81 | 105 | 932651 | 130.275 | ug/l | | 100 |
| 85) sec-Butylbenzene | 11.94 | 105 | 476788 | 59.682 | ug/l | | 98 |
| 86) p-Isopropyltoluene | 12.06 | 119 | 427128 | 57.649 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 12.02 | 146 | 192009 | 51.831 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.09 | 146 | 195368 | 52.073 | ug/l | | 98 |
| 89) n-Butylbenzene | 12.39 | 91 | 381195 | 61.216 | ug/l | | 94 |
| 90) Hexachloroethane | 12.59 | 117 | 73888 | 53.681 | ug/l | | 89 |
| 91) 1,2-Dichlorobenzene | 12.39 | 146 | 192443 | 52.989 | ug/l | | 98 |
| 92) 1,2-Dibromo-3-Chloropropan | 12.99 | 75 | 36924 | 55.950 | ug/l | | 98 |
| 93) 1,2,4-Trichlorobenzene | 13.64 | 180 | 122940 | 54.039 | ug/l | | 96 |

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Operator : JC/SP
Sample : K5313-10MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
FA19-JMW3202MSD

**Manual Integrations APPROVED**
MMDadoda
10/14/2019 10:39:45 AM

Quant Time: Oct 12 05:46:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 11 09:48:22 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 94) Hexachlorobutadiene | 13.78 | 225 | 54513 | 51.920 | ug/l | 99 |
| 95) Naphthalene | 13.83 | 128 | 505694 | 64.122 | ug/l | 100 |
| 96) 1,2,3-Trichlorobenzene | 14.01 | 180 | 124975 | 53.158 | ug/l | 98 |

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101119\
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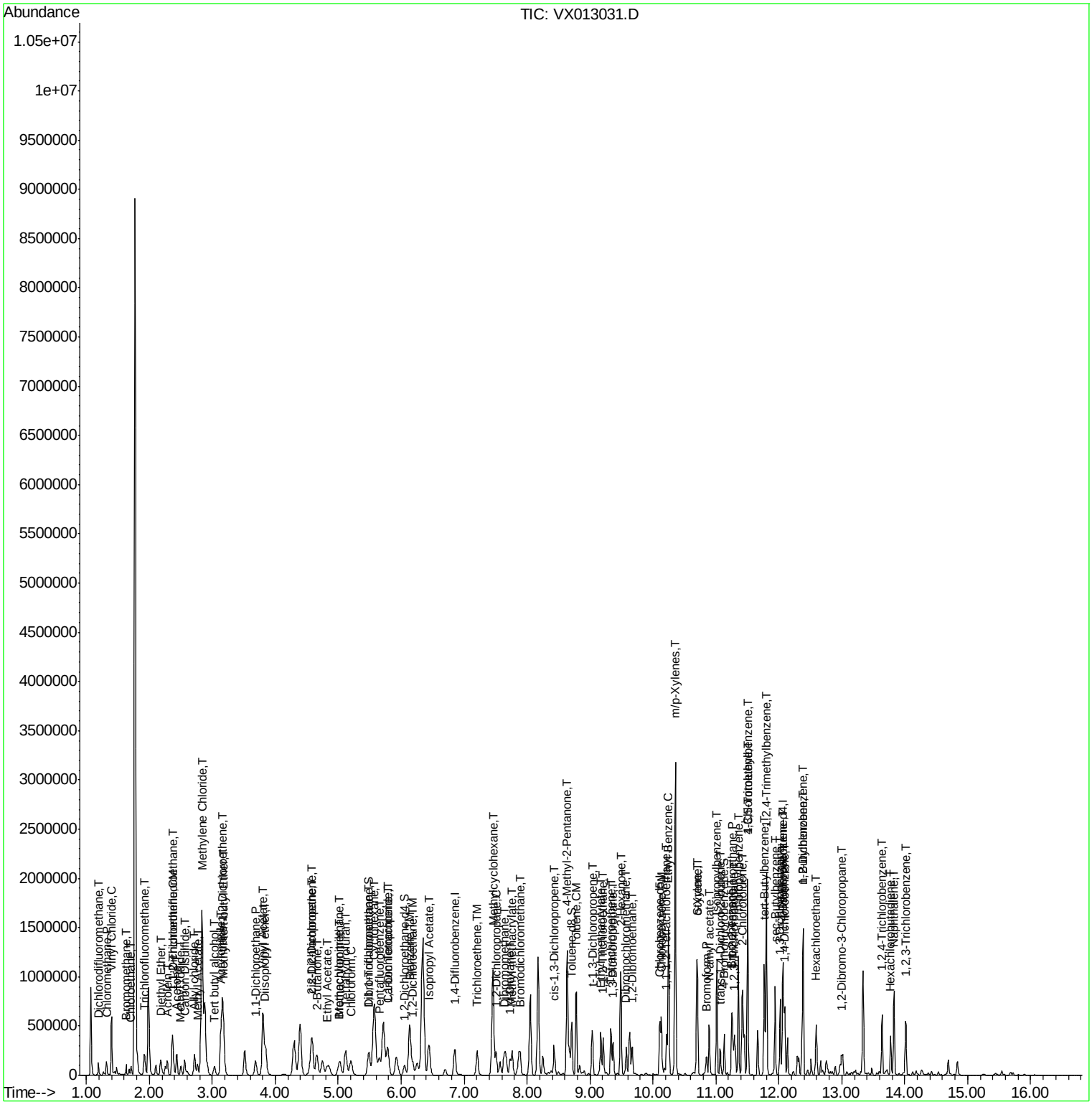
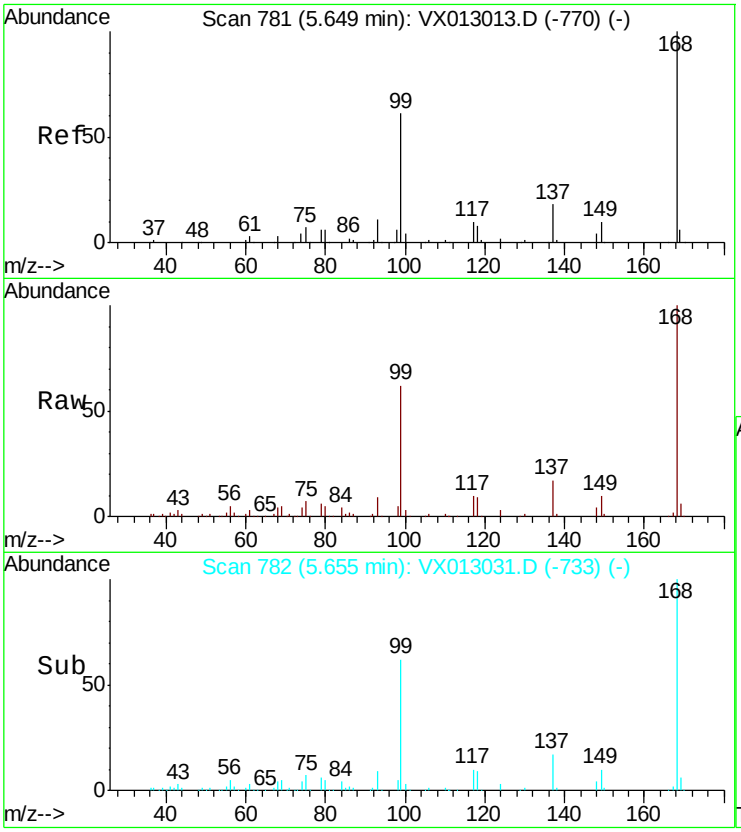
Quant Time: Oct 12 05:46:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 11 09:48:22 2019
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
FA19-JMW3202MSD

**Manual Integrations APPROVED**
MMDadoda
10/14/2019 10:39:45 AM





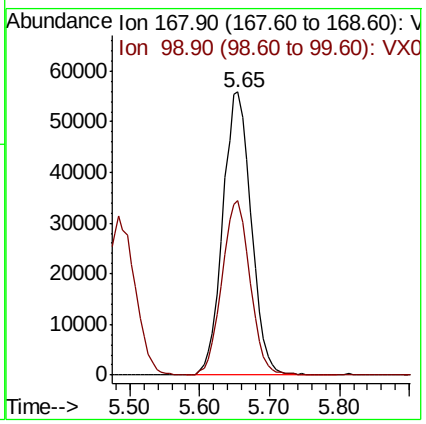

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.00 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

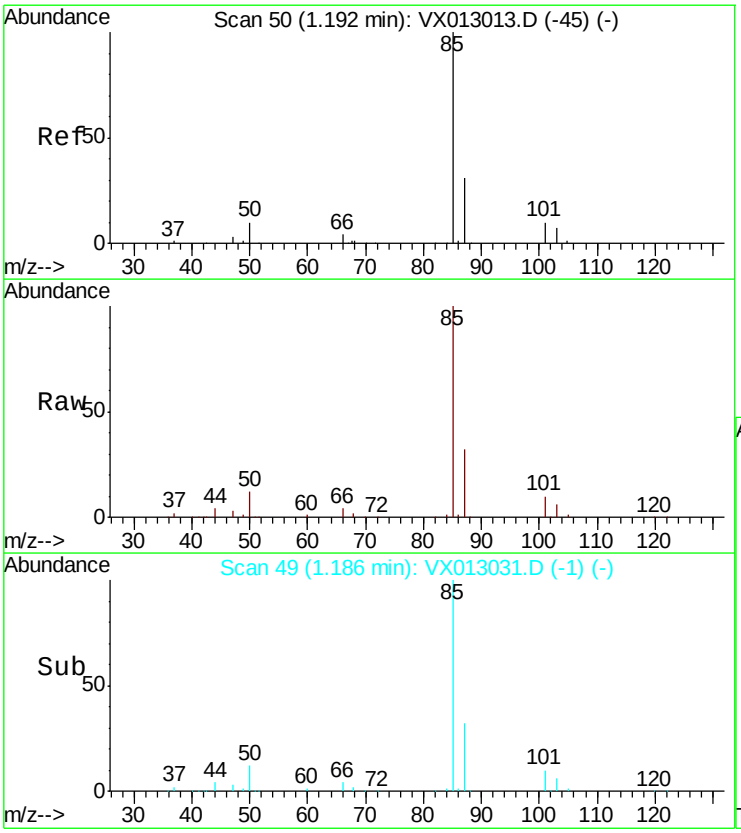
Tgt Ion:168 Resp: 157627

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 61.3 | 49.4 | 74.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
FA19-JMW3202MSD

**Manual Integrations APPROVED**
MMDadoda
10/14/2019 10:39:45 AM

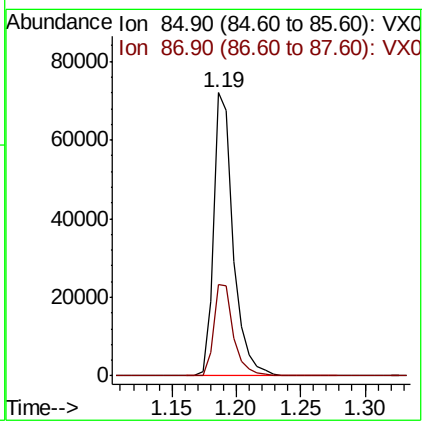


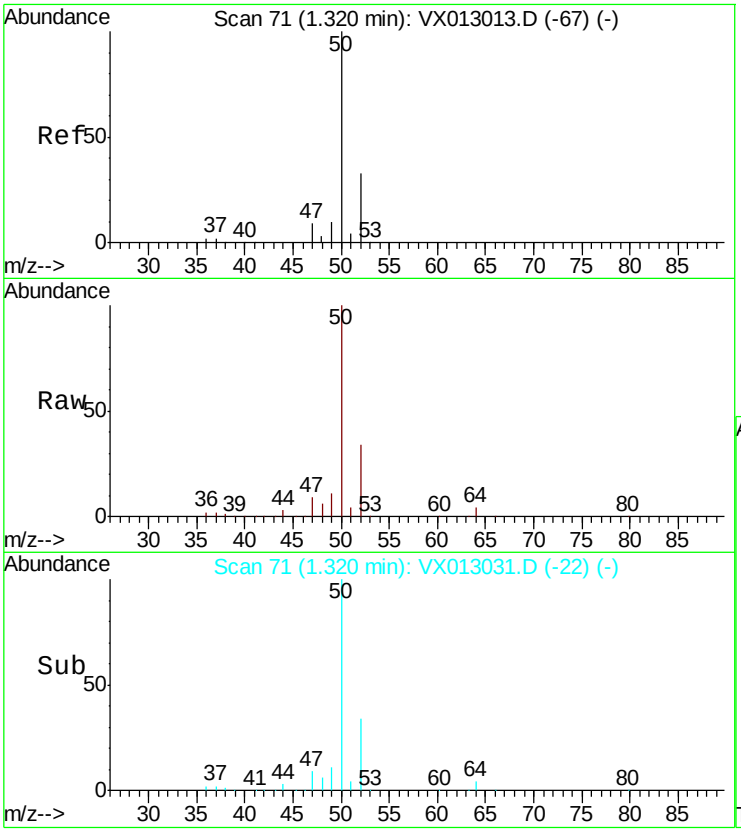




#2
Dichlorodifluoromethane
Concen: 48.211 ug/l
RT: 1.19 min Scan# 49
Delta R.T. -0.01 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion: 85 Resp: 77461

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.2 | 16.4 | 49.4 |

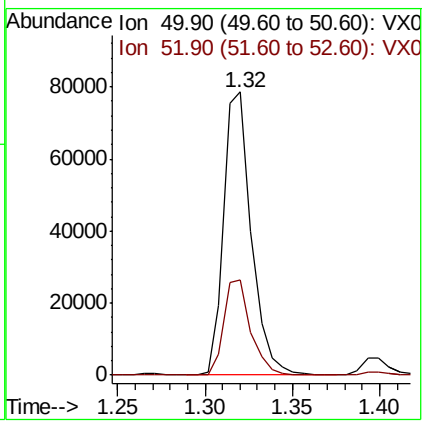





#3
Chloromethane
Concen: 49.256 ug/l
RT: 1.32 min Scan# 71
Delta R.T. 0.00 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

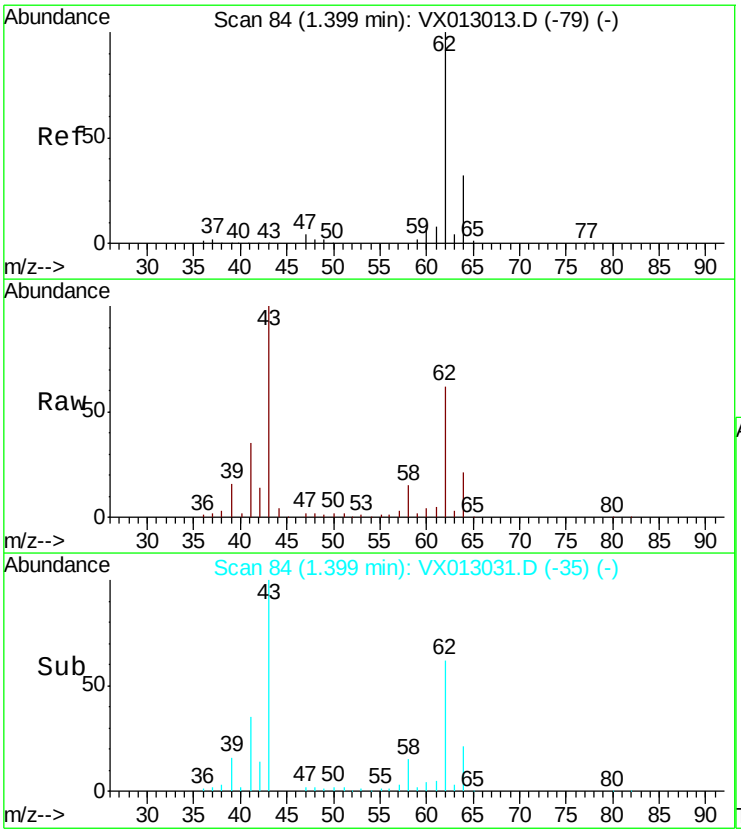
Tgt Ion: 50 Resp: 86130

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 33.7 | 25.2 | 37.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
FA19-JMW3202MSD

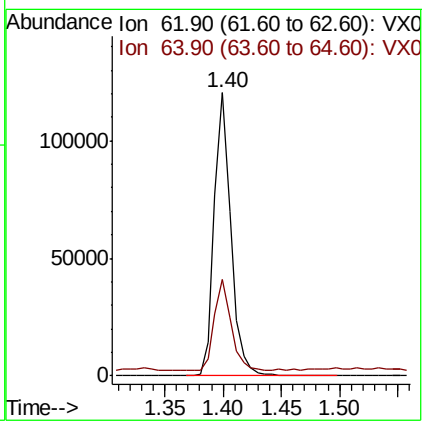
**Manual Integrations APPROVED**
MMDadoda
10/14/2019 10:39:45 AM

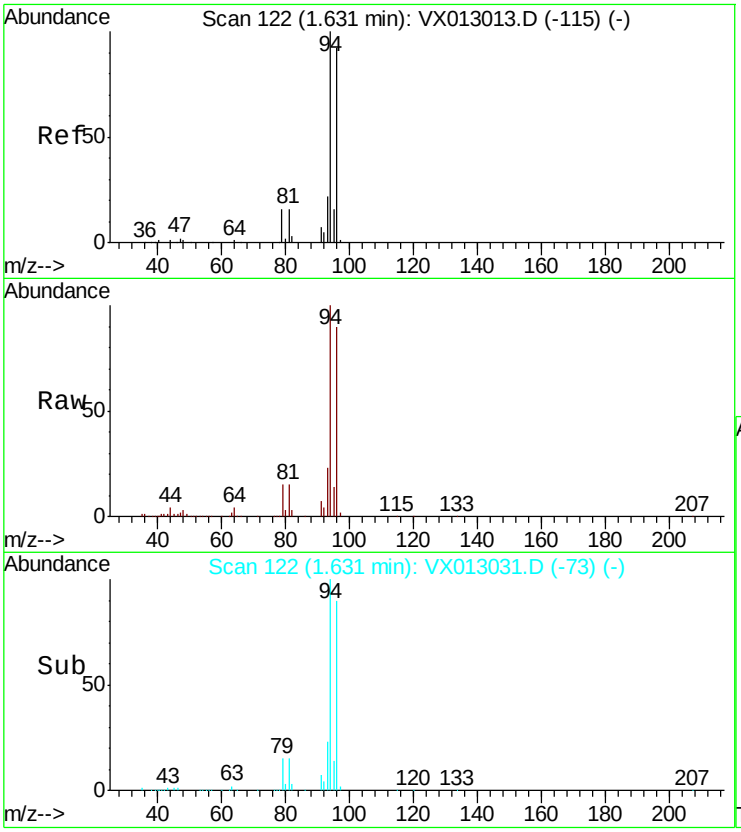



#4
Vinyl Chloride
Concen: 65.267 ug/l
RT: 1.40 min Scan# 84
Delta R.T. 0.00 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion: 62 Resp: 117796

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.3 | 25.3 | 37.9 |

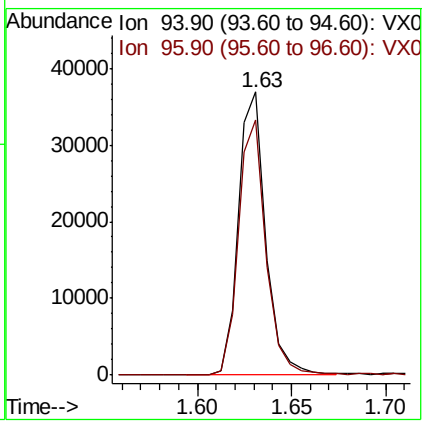





#5
Bromomethane
Concen: 49.271 ug/l
RT: 1.63 min Scan# 122
Delta R.T. 0.00 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

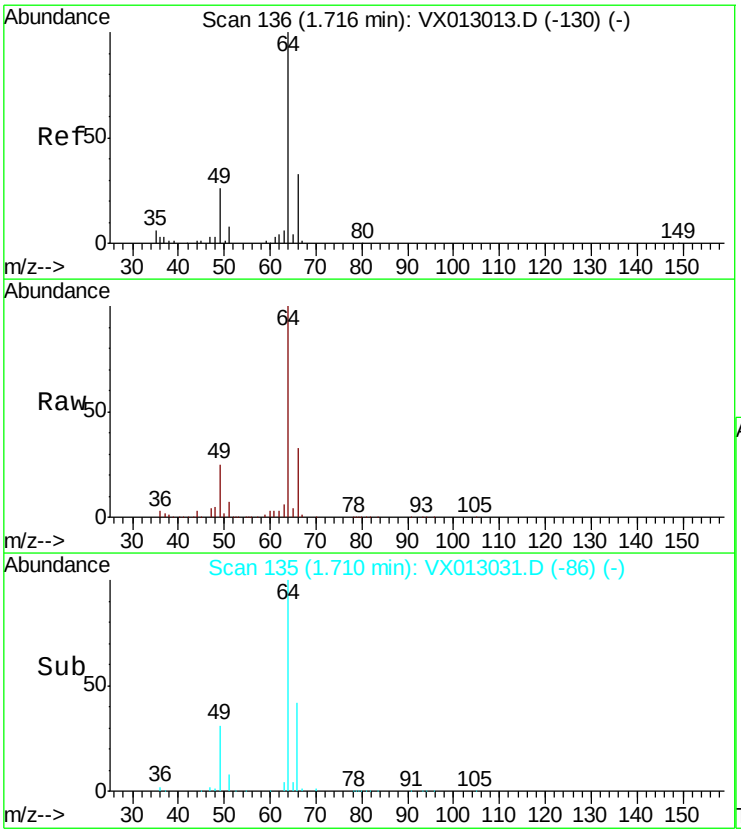
Tgt Ion: 94 Resp: 36966

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 90.1 | 74.7 | 112.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
FA19-JMW3202MSD

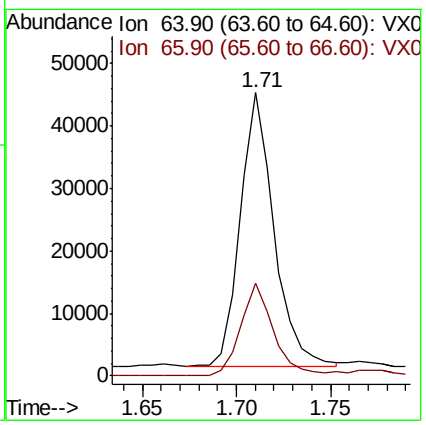
**Manual Integrations APPROVED**
MMDadoda
10/14/2019 10:39:45 AM

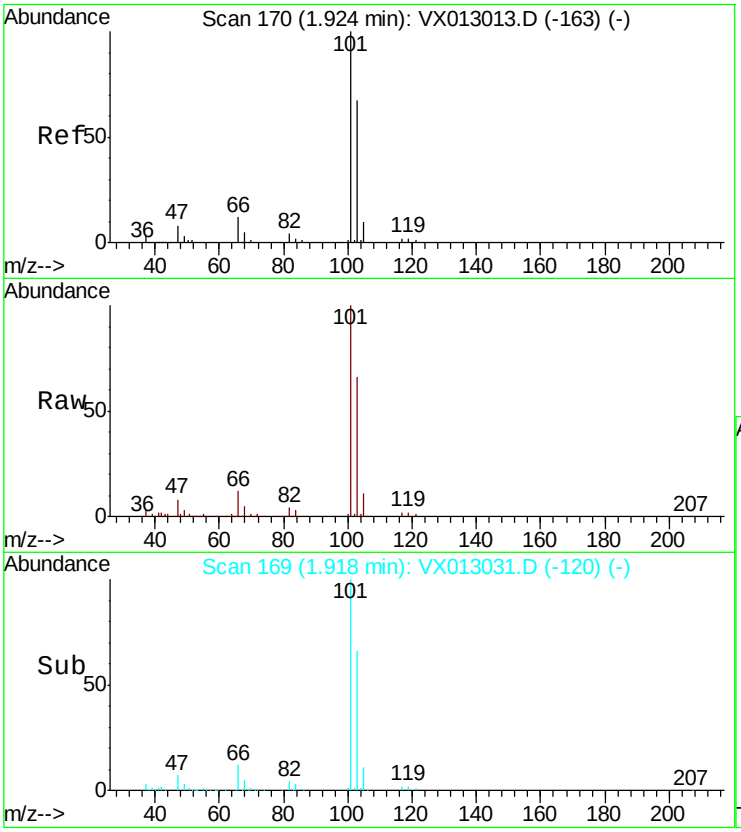



#6
Chloroethane
Concen: 49.525 ug/l
RT: 1.71 min Scan# 135
Delta R.T. 0.00 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion: 64 Resp: 54595

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 33.5 | 25.6 | 38.4 |

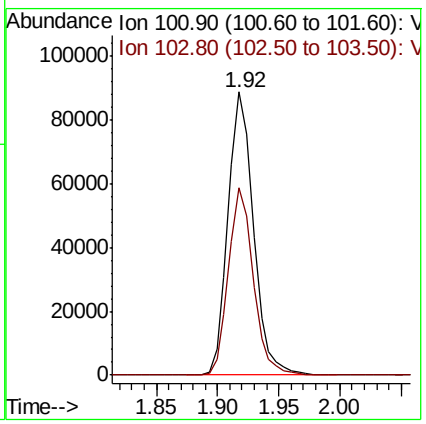





#7
Trichlorofluoromethane
Concen: 52.508 ug/l
RT: 1.92 min Scan# 169
Delta R.T. 0.00 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

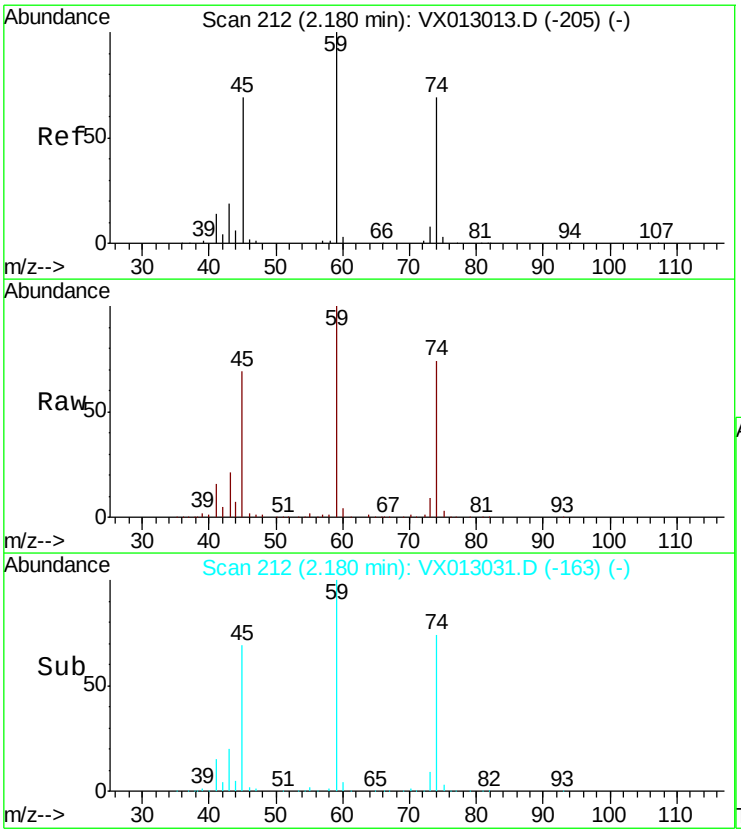
Tgt Ion:101 Resp: 127909

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 66.3 | 52.5 | 78.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
FA19-JMW3202MSD

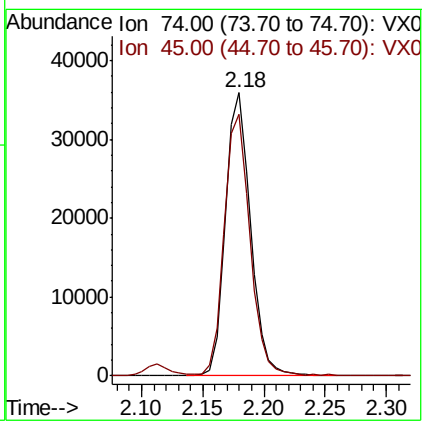
**Manual Integrations APPROVED**
MMDadoda
10/14/2019 10:39:45 AM

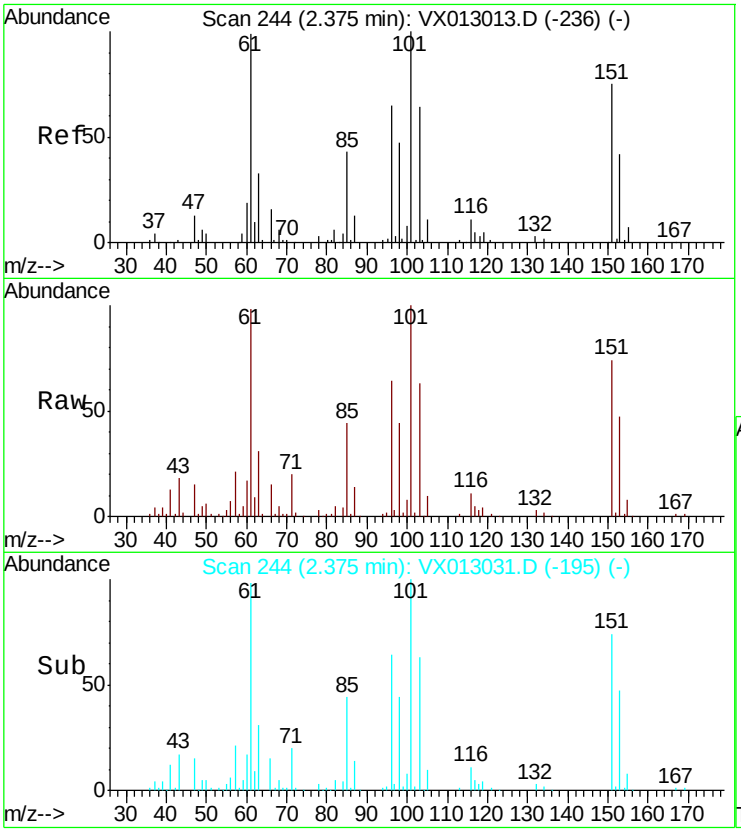



#8
Diethyl Ether
Concen: 51.678 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion: 74 Resp: 50813

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 94.1 | 47.8 | 143.4 |






#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.655 ug/l
RT: 2.37 min Scan# 244
Delta R.T. 0.00 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion:101 Resp: 78284

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 44.1 | 35.2 | 52.8 |
| 151 | 75.2 | 60.3 | 90.5 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
FA19-JMW3202MSD

**Manual Integrations APPROVED**
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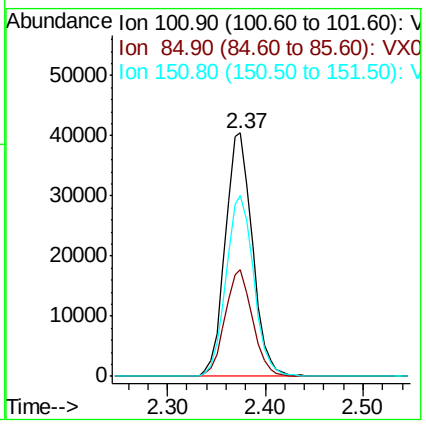
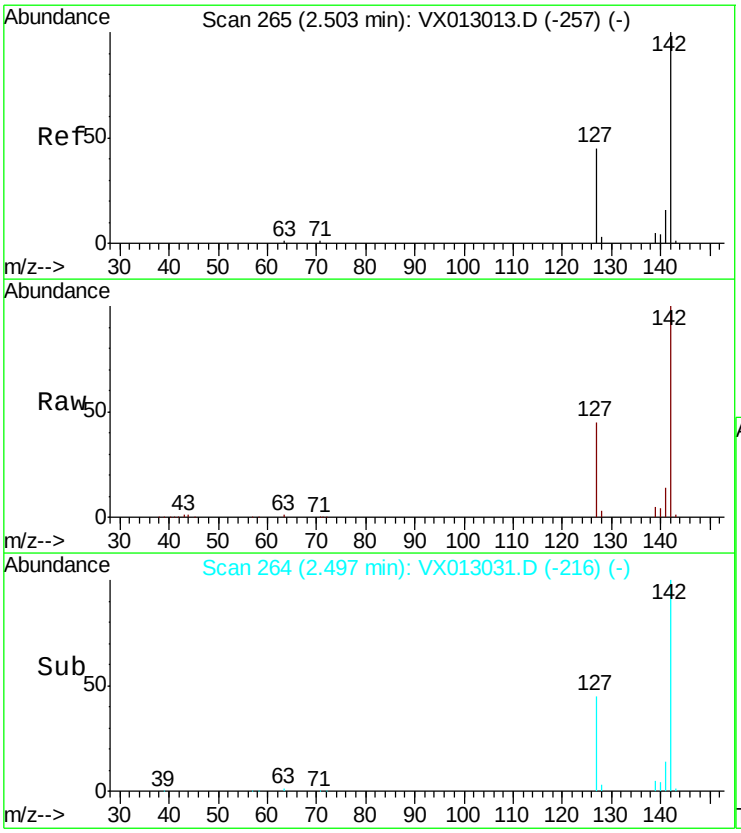
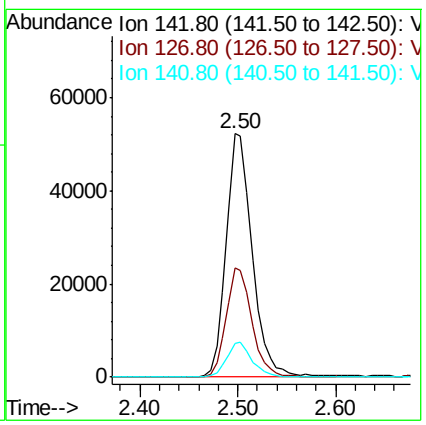


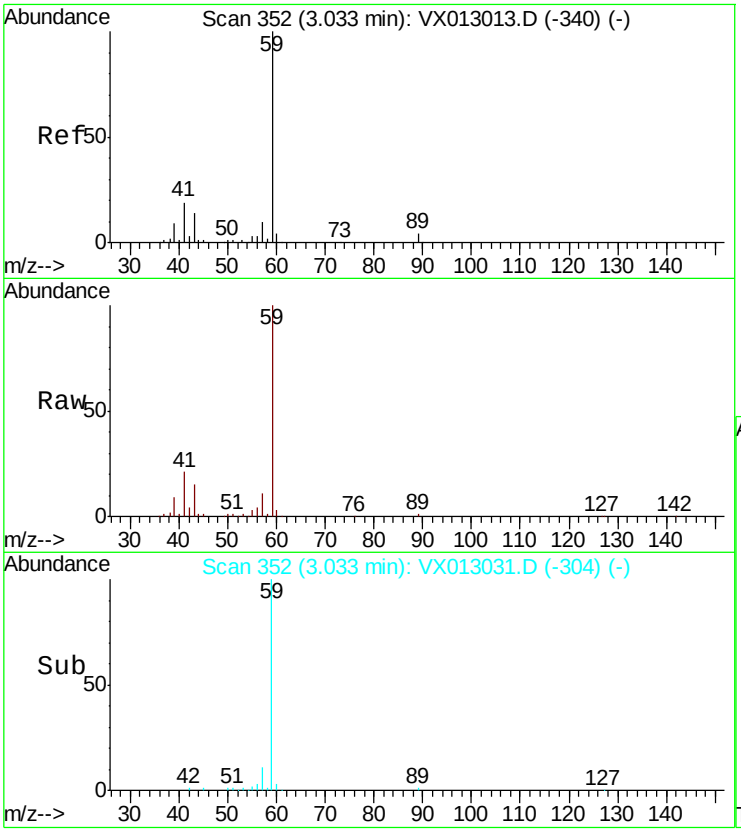




#10
Methyl Iodide
Concen: 53.913 ug/l
RT: 2.50 min Scan# 264
Delta R.T. -0.01 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion:142 Resp: 97083

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 44.2 | 34.9 | 52.3 |
| 141 | 14.0 | 11.6 | 17.4 |

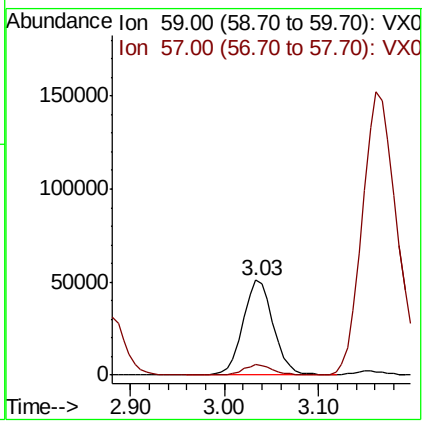





#11
Tert butyl alcohol
Concen: 222.414 ug/l
RT: 3.03 min Scan# 352
Delta R.T. -0.01 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion: 59 Resp: 116159

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.5 | 8.3 | 12.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
FA19-JMW3202MSD

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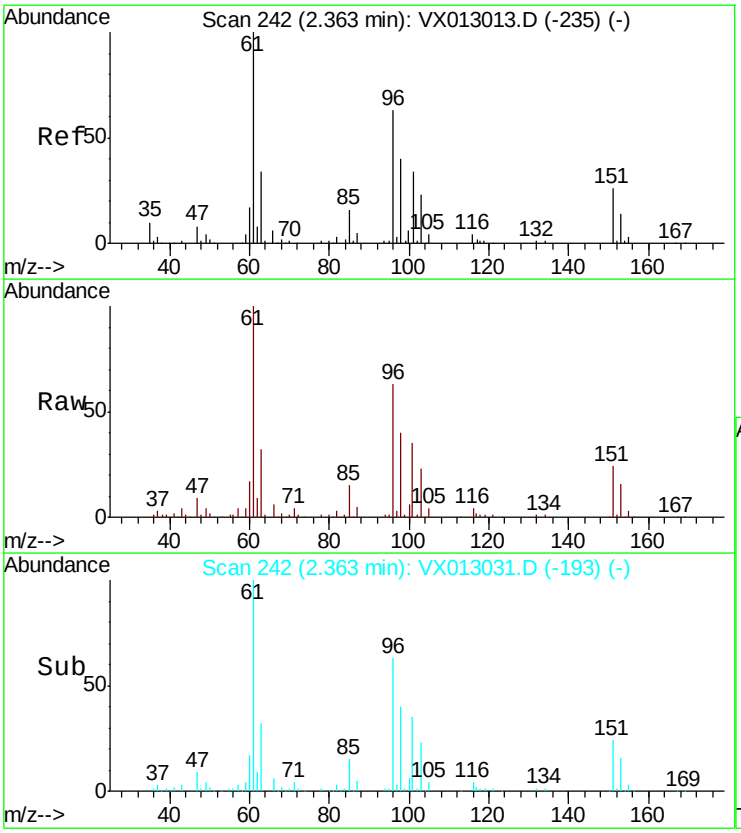
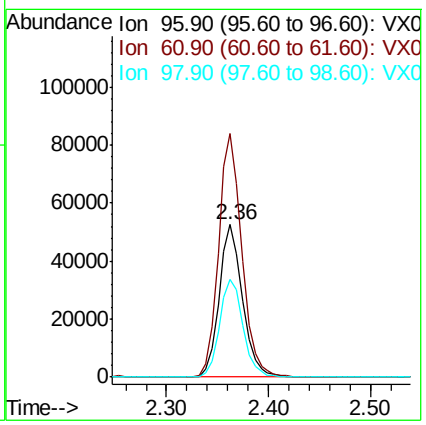
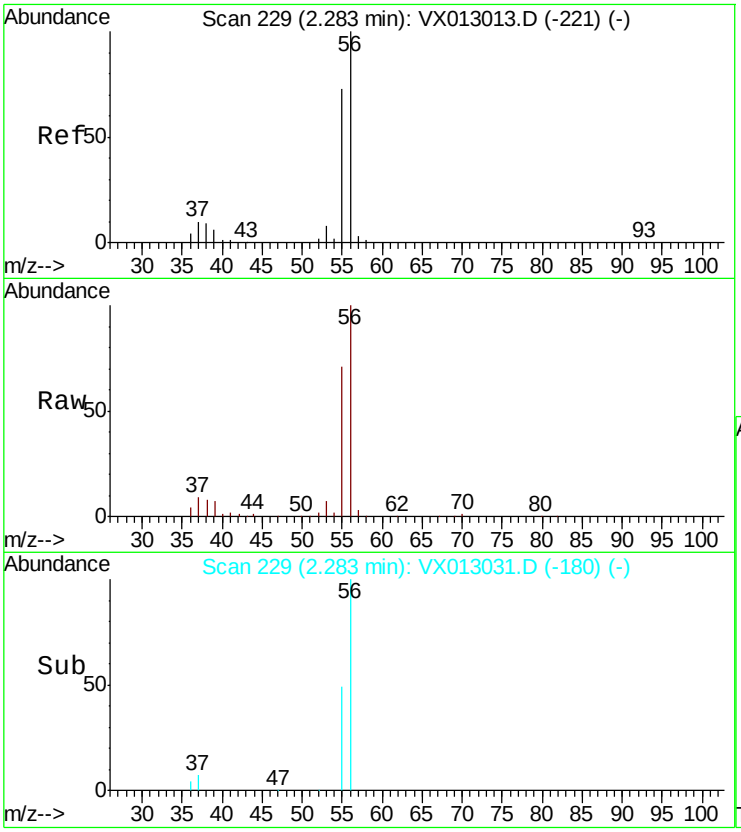



#12
1,1-Dichloroethene
Concen: 52.128 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion: 96 Resp: 83035

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 159.5 | 132.2 | 198.4 |
| 98 | 63.8 | 50.5 | 75.7 |

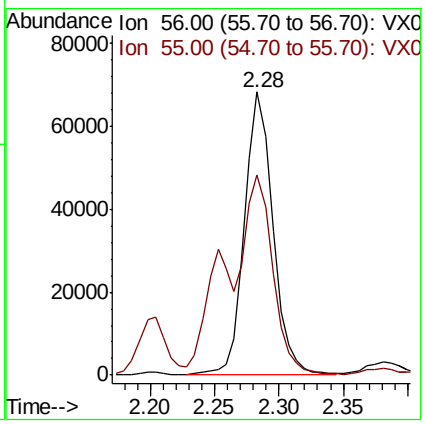





#13
Acrolein
Concen: 281.074 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion: 56 Resp: 104321

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 70.5 | 56.6 | 85.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
FA19-JMW3202MSD

**Manual Integrations APPROVED**
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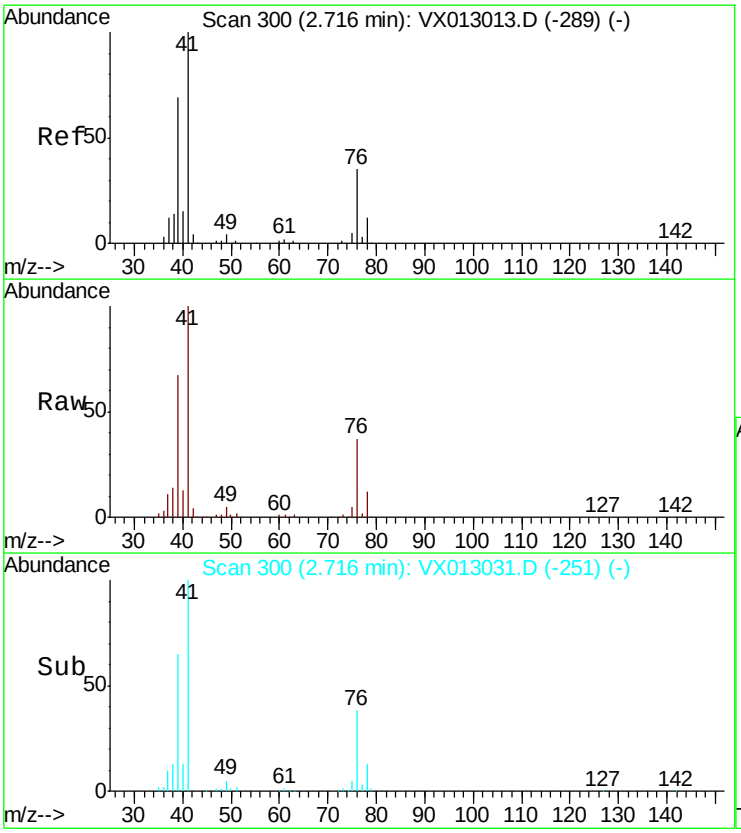
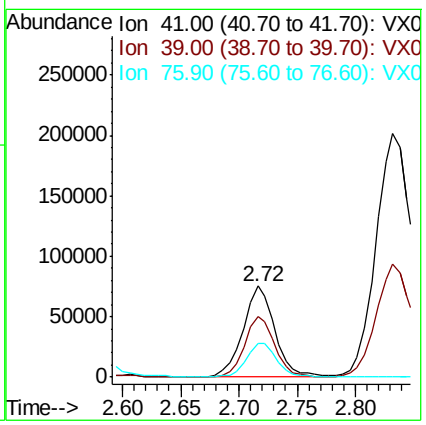
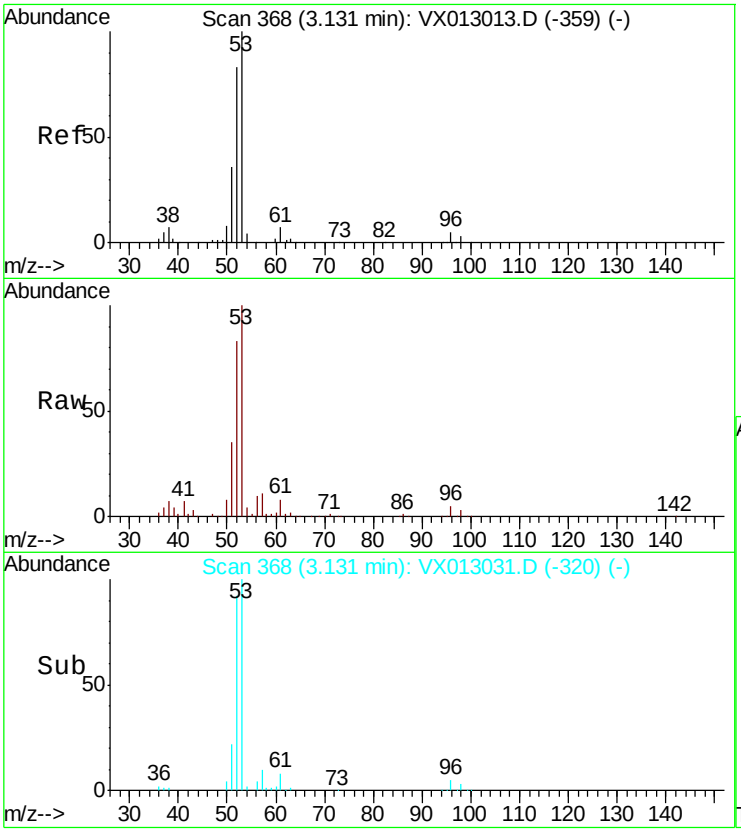



#14
Allyl chloride
Concen: 50.567 ug/l
RT: 2.72 min Scan# 300
Delta R.T. 0.00 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion: 41 Resp: 143446

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 63.3 | 51.0 | 76.6 |
| 76 | 35.8 | 26.2 | 39.4 |

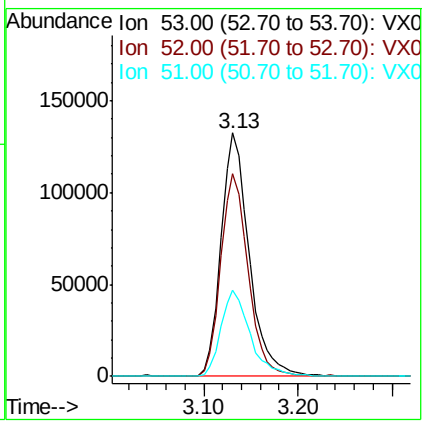





#15
Acrylonitrile
Concen: 277.881 ug/l
RT: 3.13 min Scan# 368
Delta R.T. -0.01 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion: 53 Resp: 275027

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 80.9 | 66.2 | 99.2 |
| 51 | 36.8 | 28.2 | 42.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
FA19-JMW3202MSD

**Manual Integrations APPROVED**
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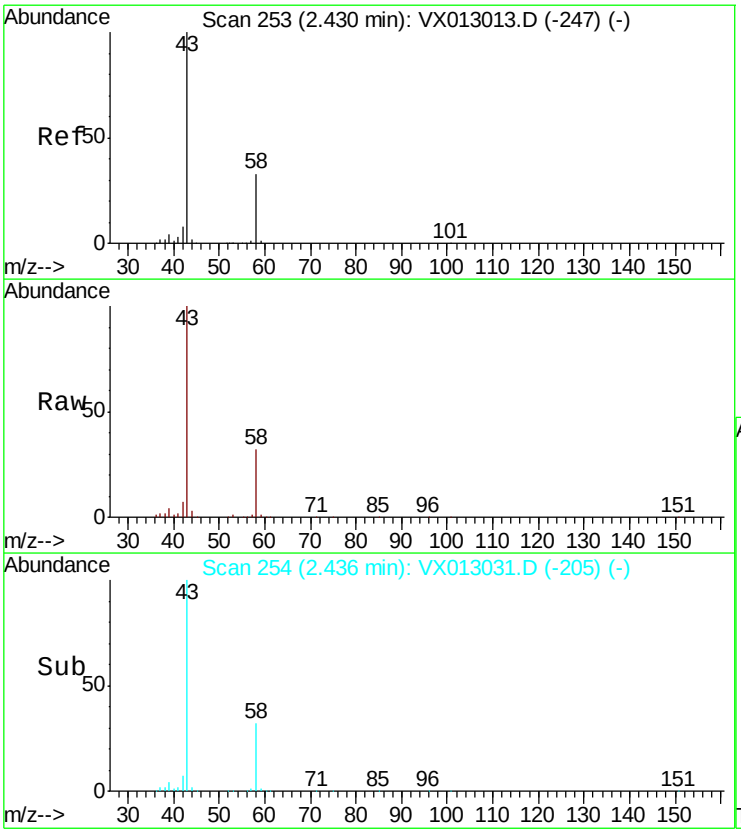
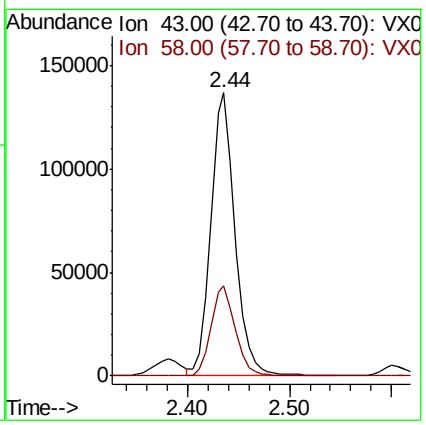
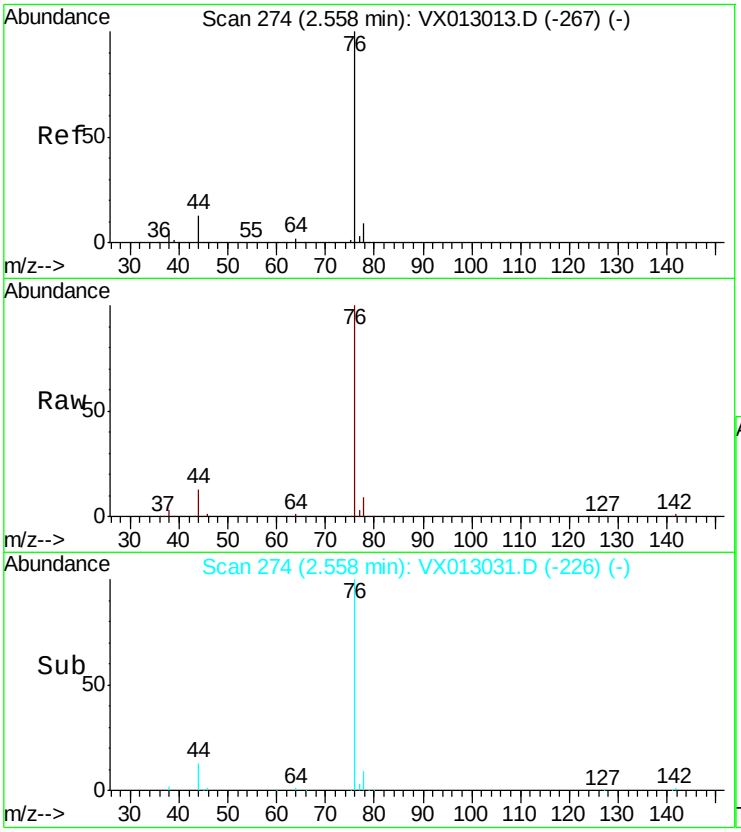



#16
Acetone
Concen: 217.811 ug/l
RT: 2.44 min Scan# 254
Delta R.T. 0.00 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion: 43 Resp: 226188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 31.8 | 25.4 | 38.2 |

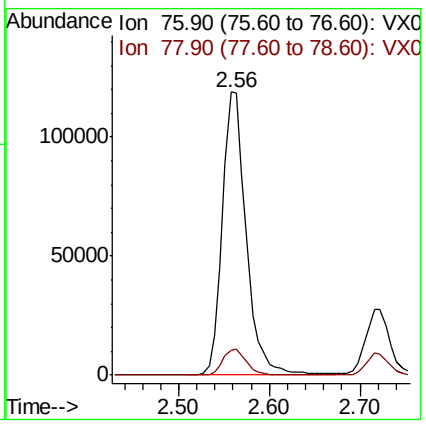





#17
Carbon Disulfide
Concen: 48.040 ug/l
RT: 2.56 min Scan# 274
Delta R.T. -0.01 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion: 76 Resp: 218198

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.6 | 7.1 | 10.7 |




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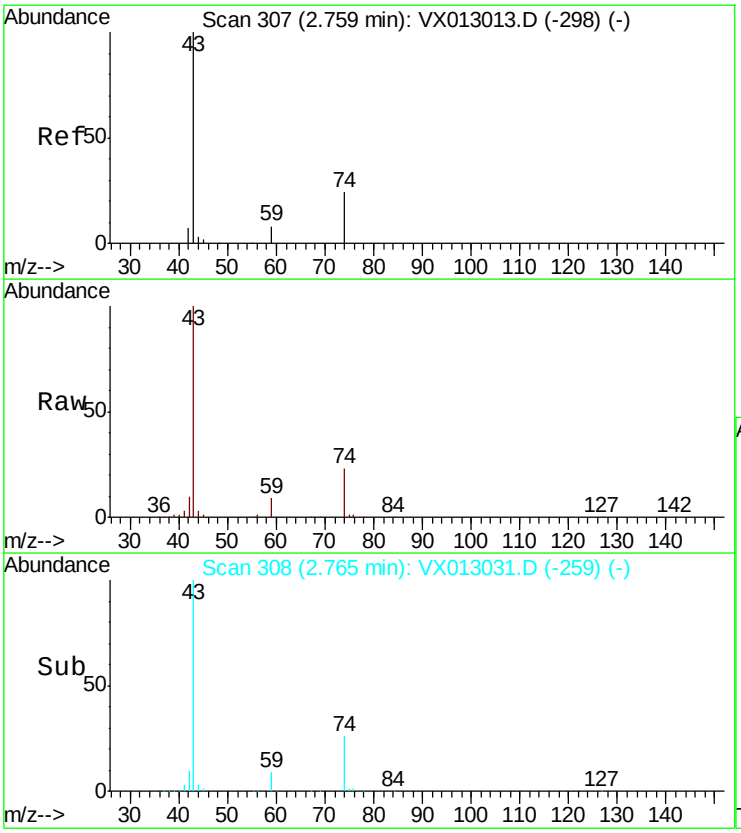
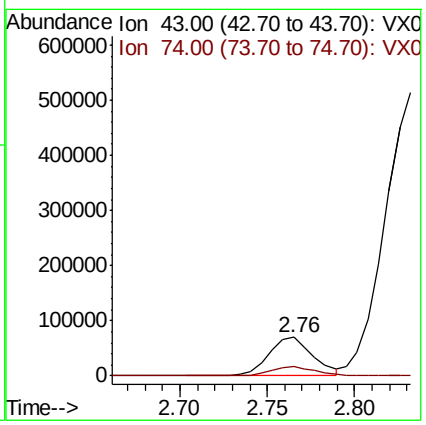
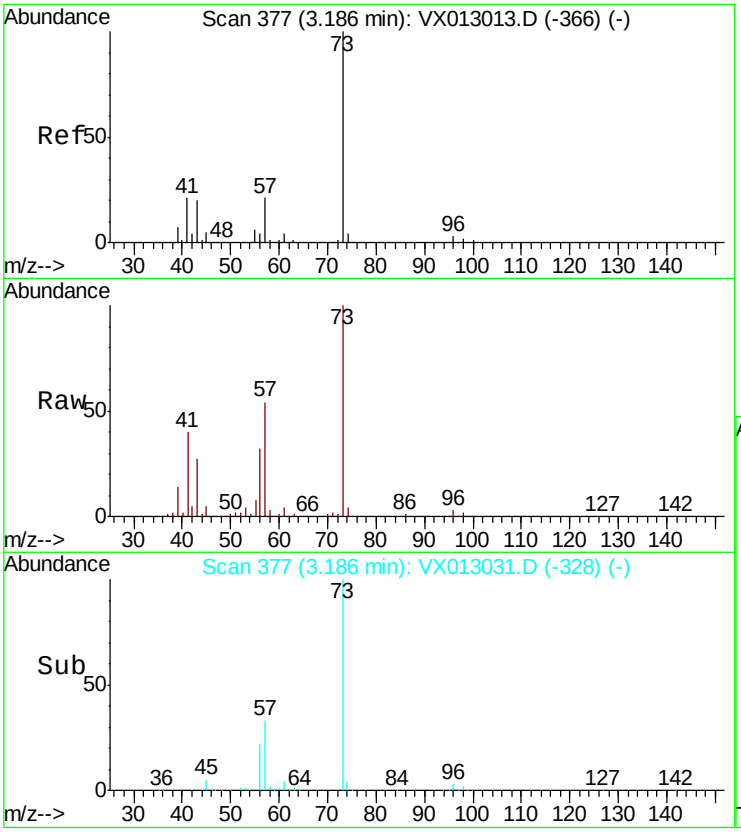



#18
Methyl Acetate
Concen: 49.620 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.00 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion: 43 Resp: 122135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 25.2 | 19.2 | 28.8 |






#19
Methyl tert-butyl Ether
Concen: 54.820 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion: 73 Resp: 301558

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 54.5 | 17.8 | 26.6# |

**Instrument :**
MSVOA_X
**ClientSampleId :**
FA19-JMW3202MSD

**Manual Integrations APPROVED**
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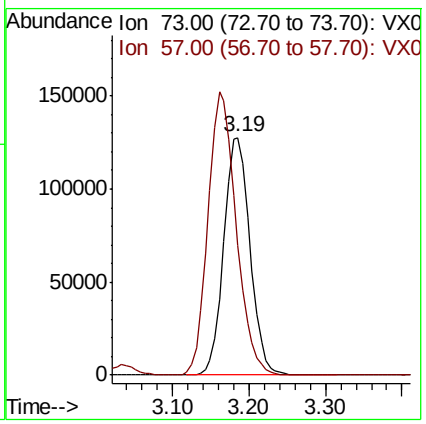
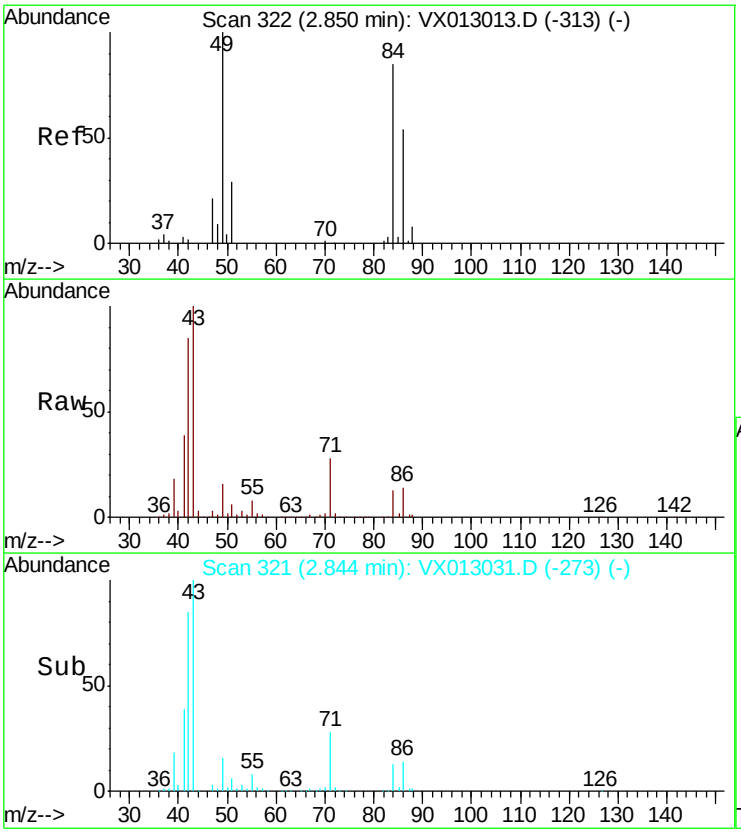
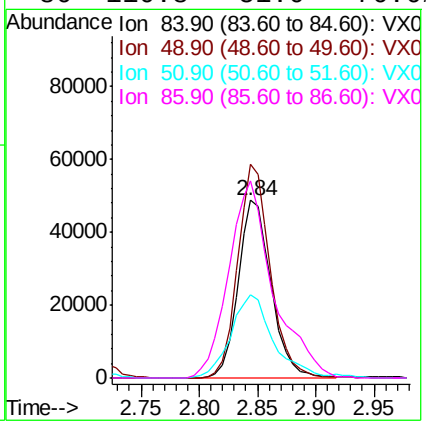


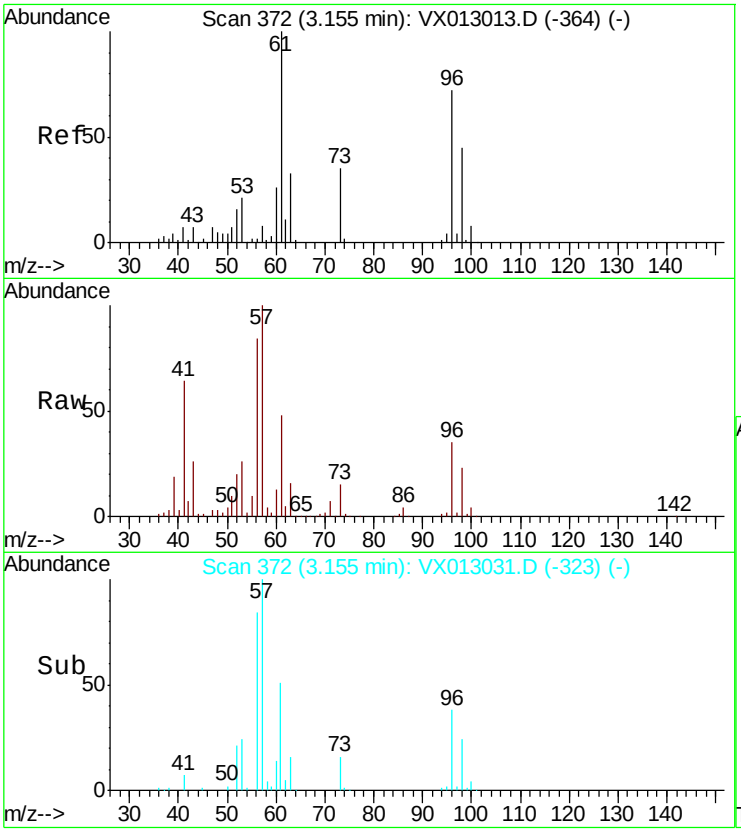




#20
Methylene Chloride
Concen: 50.245 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion: 84 Resp: 95891

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 120.6 | 96.6 | 144.8 |
| 51 | 46.9 | 30.7 | 46.1# |
| 86 | 110.8 | 51.0 | 76.6# |

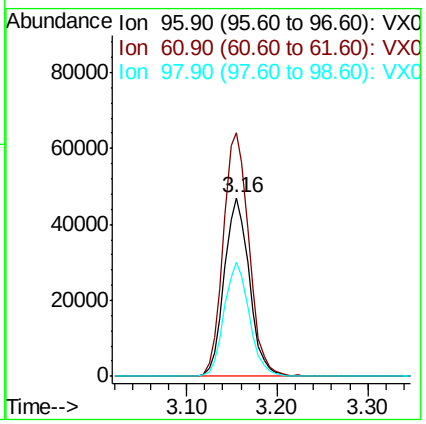





#21
trans-1,2-Dichloroethene
Concen: 52.905 ug/l
RT: 3.16 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion: 96 Resp: 90325

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 136.1 | 110.4 | 165.6 |
| 98 | 64.2 | 51.5 | 77.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
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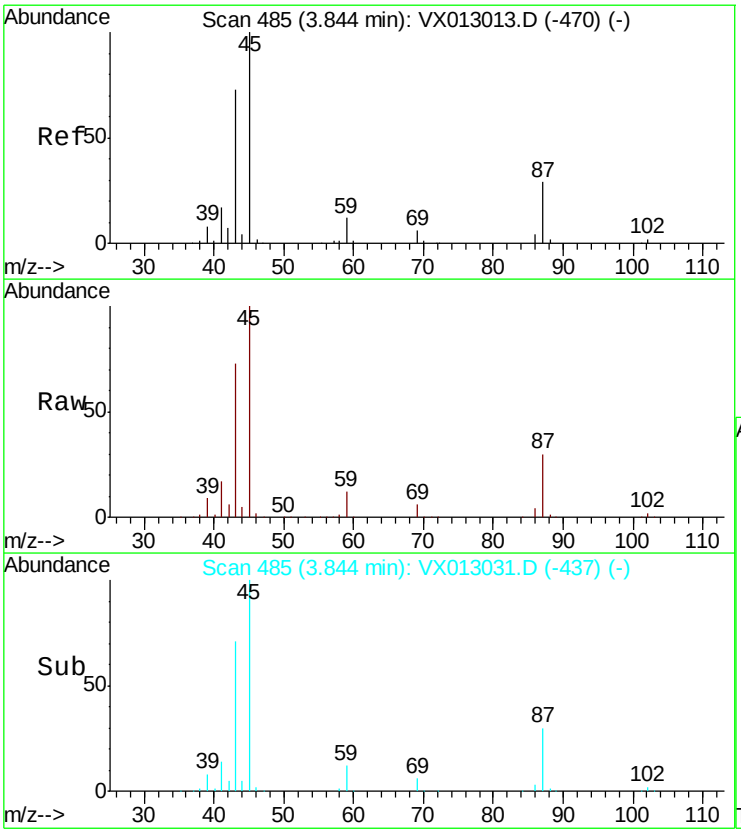
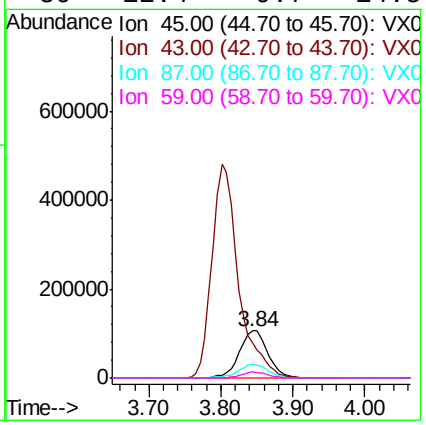
10/14/2019 10:39:45 AM

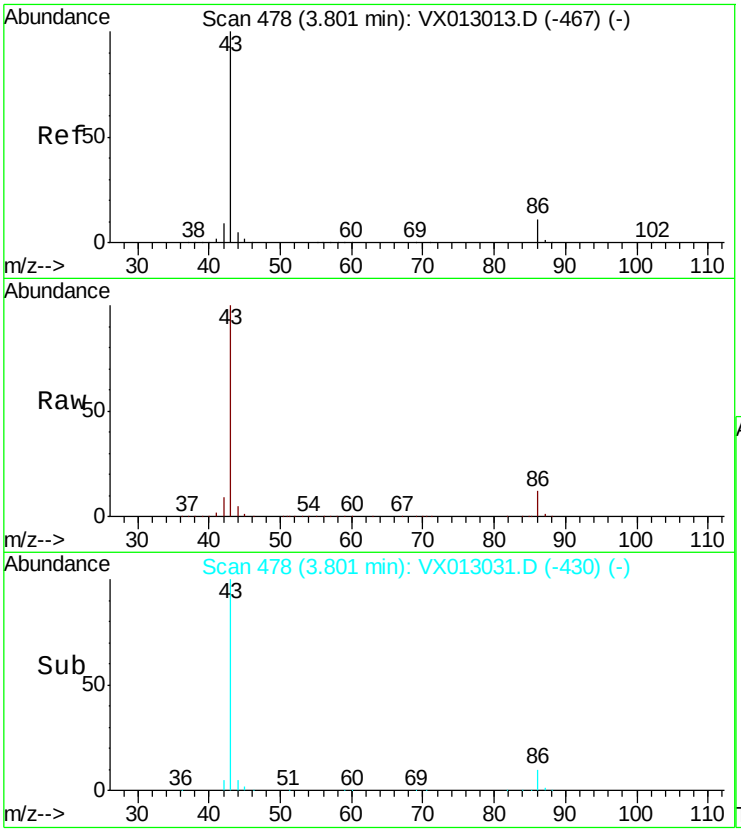



#22
Diisopropyl ether
Concen: 53.788 ug/l
RT: 3.84 min Scan# 485
Delta R.T. -0.01 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion: 45 Resp: 292375

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 72.6 | 51.4 | 77.0 |
| 87 | 29.6 | 22.5 | 33.7 |
| 59 | 12.4 | 9.7 | 14.5 |






#23
Vinyl Acetate
Concen: 263.352 ug/l
RT: 3.80 min Scan# 478
Delta R.T. -0.01 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion: 43 Resp: 1235780

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 11.6 | 9.0 | 13.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
FA19-JMW3202MSD

**Manual Integrations APPROVED**
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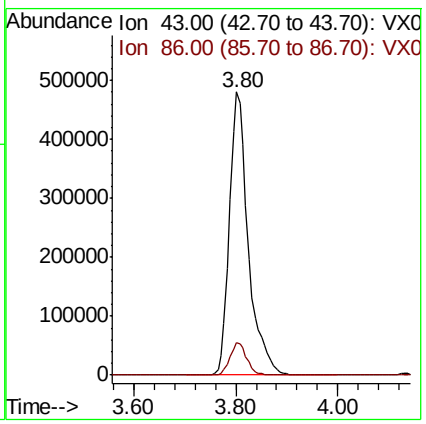
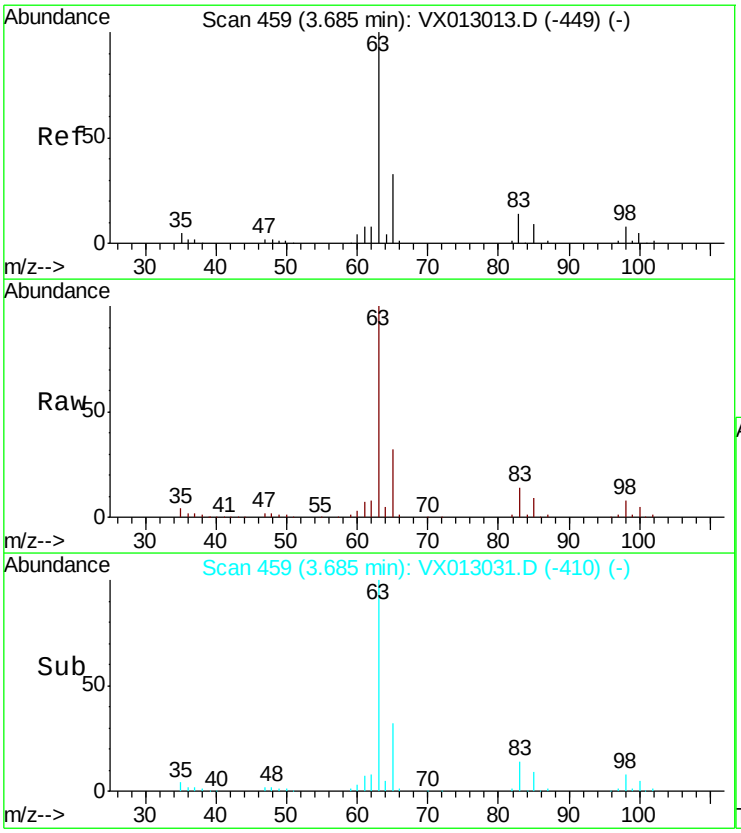
10/14/2019 10:39:45 AM

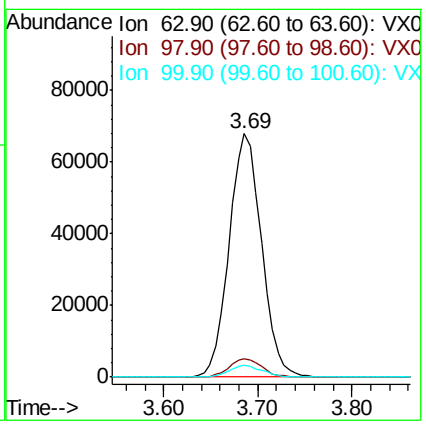


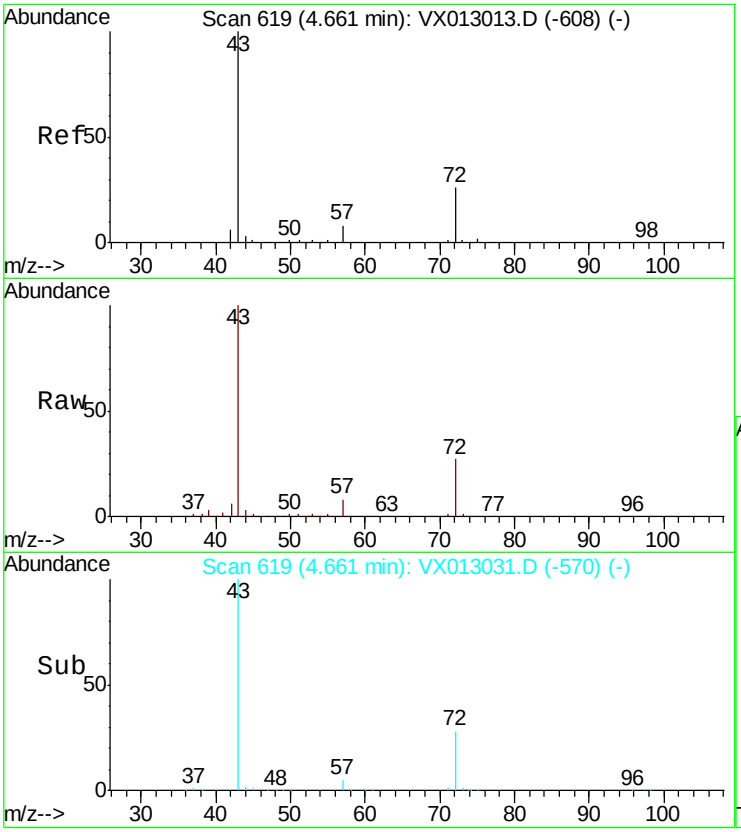




#24
1,1-Dichloroethane
Concen: 53.277 ug/l
RT: 3.69 min Scan# 459
Delta R.T. 0.00 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion: 63 Resp: 162922

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.6 | 3.9 | 11.5 |
| 100 | 5.2 | 2.3 | 6.9 |

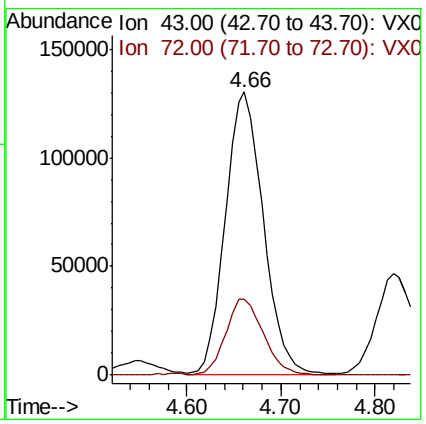





#25
2-Butanone
Concen: 253.920 ug/l
RT: 4.66 min Scan# 619
Delta R.T. 0.00 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion: 43 Resp: 365827

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 26.8 | 21.0 | 31.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
FA19-JMW3202MSD

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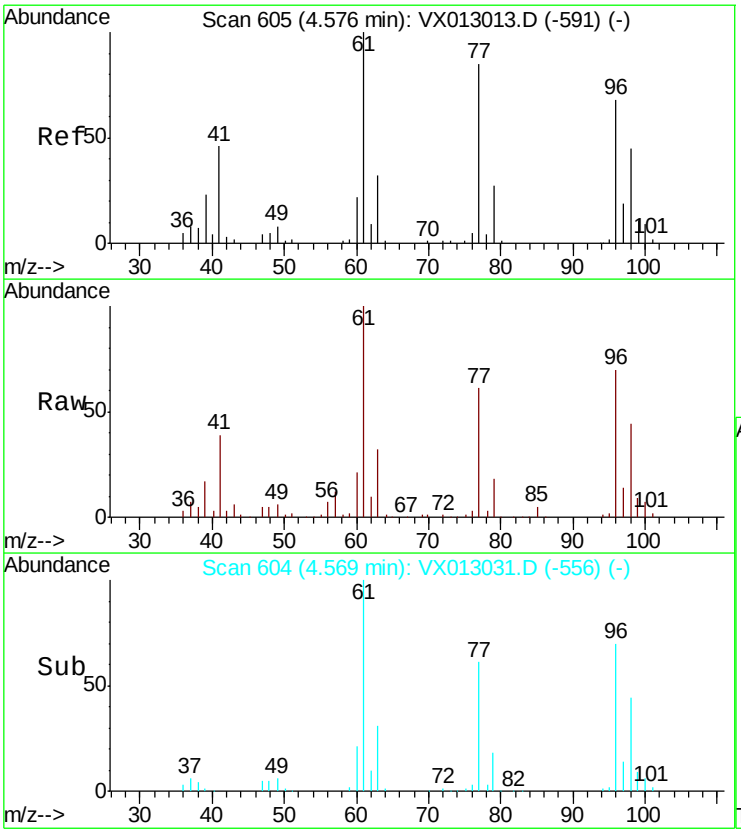
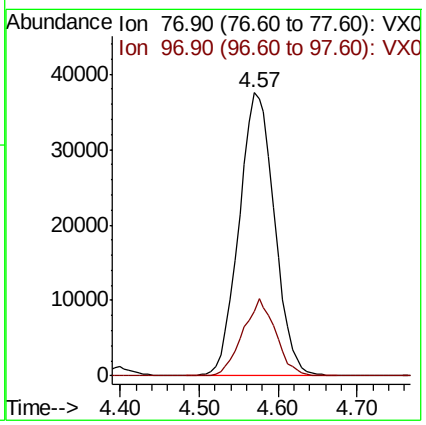
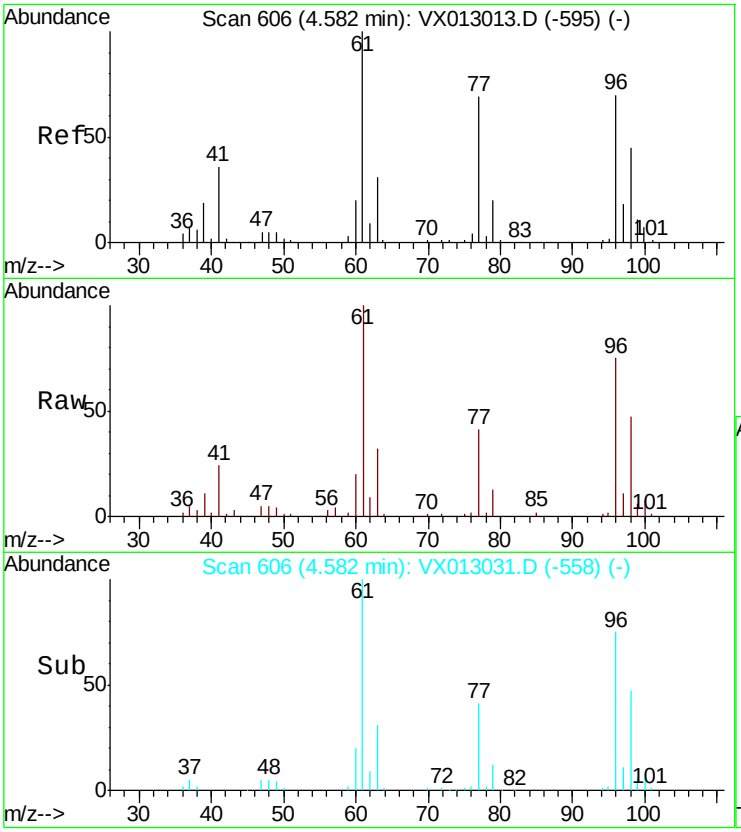



#26
2,2-Dichloropropane
Concen: 45.643 ug/l
RT: 4.57 min Scan# 604
Delta R.T. -0.01 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion: 77 Resp: 117372

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 25.4 | 11.3 | 33.9 |

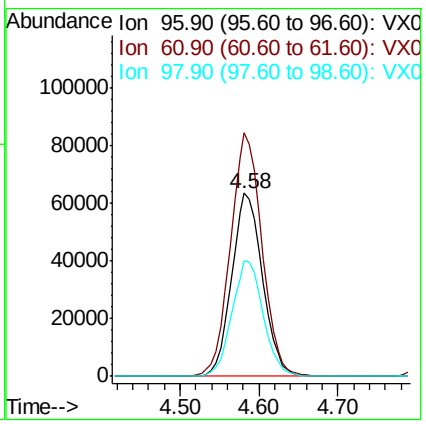





#27
cis-1,2-Dichloroethene
Concen: 87.836 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion: 96 Resp: 172859

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 135.4 | 0.0 | 290.6 |
| 98 | 63.9 | 0.0 | 128.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
FA19-JMW3202MSD

**Manual Integrations APPROVED**
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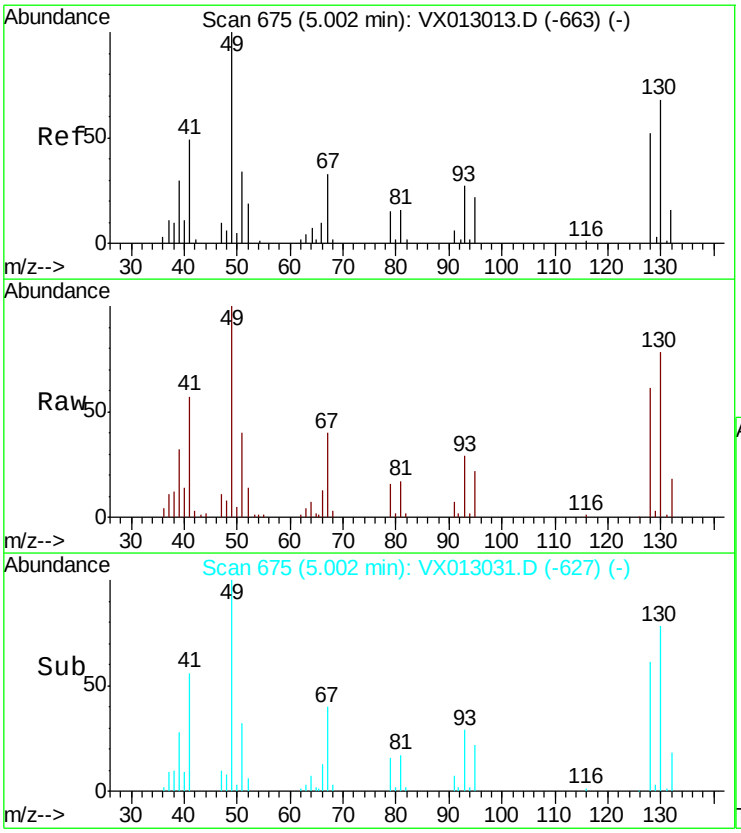
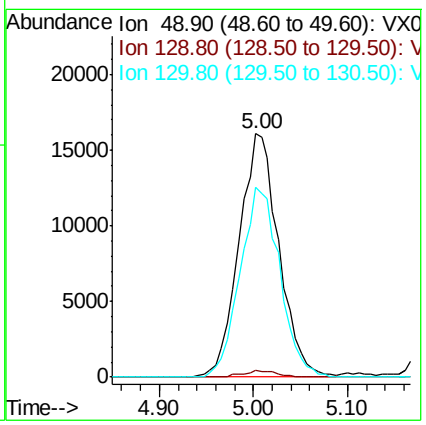
10/14/2019 10:39:45 AM

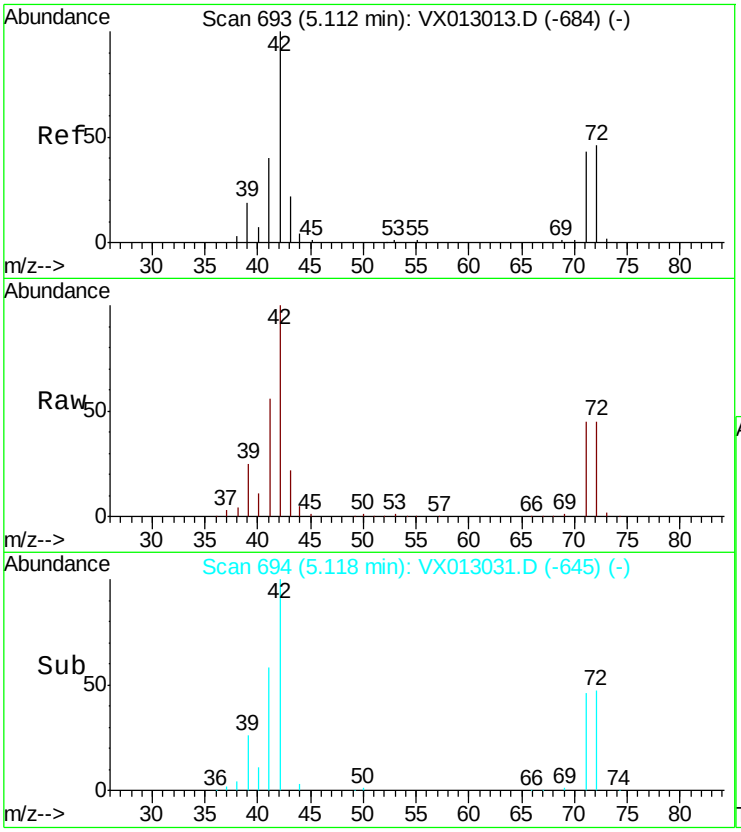



#28
Bromochloromethane
Concen: 51.995 ug/l
RT: 5.00 min Scan# 675
Delta R.T. -0.01 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion: 49 Resp: 47501

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.3 | 0.0 | 4.2 |
| 130 | 78.1 | 62.1 | 93.1 |

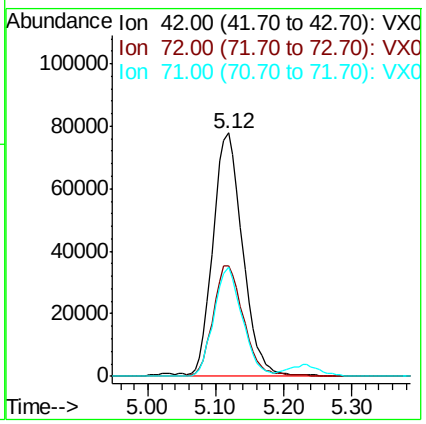





#29
Tetrahydrofuran
Concen: 264.850 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.00 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion: 42 Resp: 234808

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 46.3 | 36.9 | 55.3 |
| 71 | 43.4 | 33.5 | 50.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
FA19-JMW3202MSD

**Manual Integrations APPROVED**
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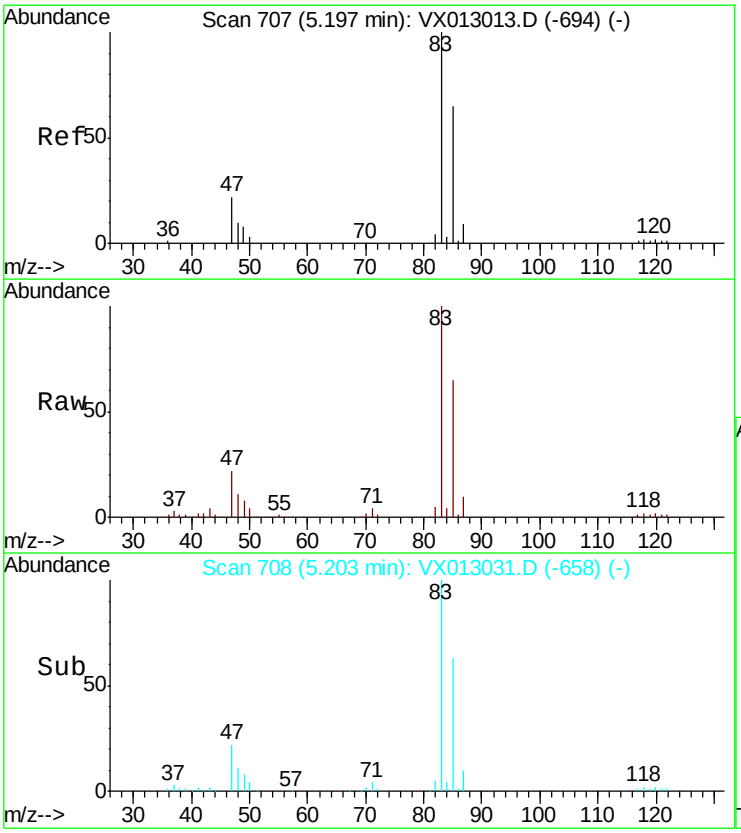
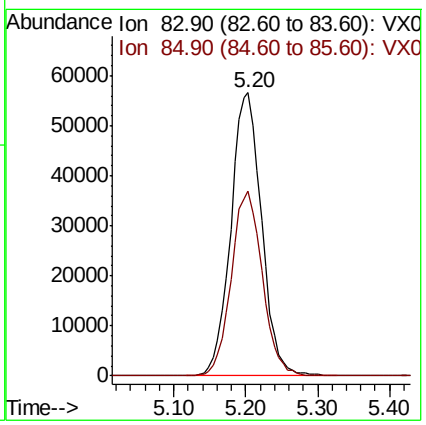
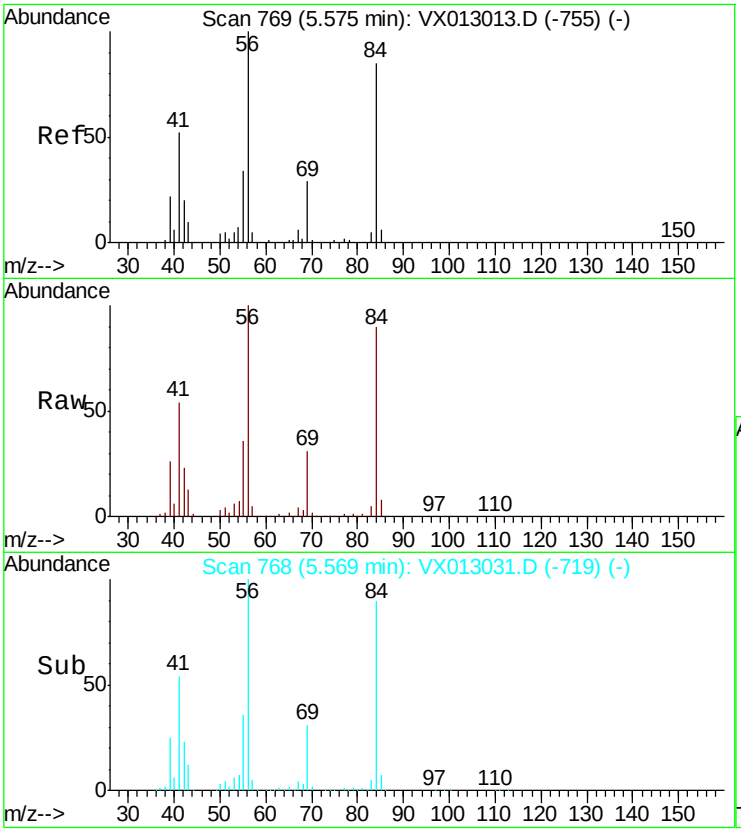



#30
Chloroform
Concen: 53.450 ug/l
RT: 5.20 min Scan# 708
Delta R.T. 0.01 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion: 83 Resp: 167712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.4 | 51.5 | 77.3 |

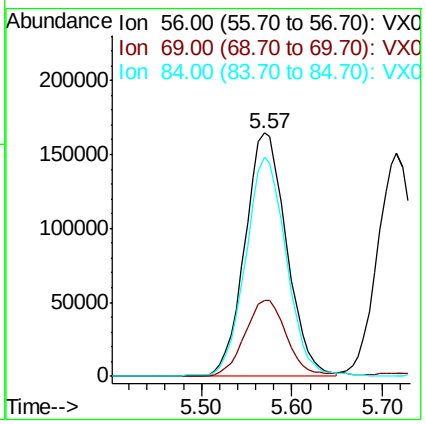





#31
Cyclohexane
Concen: 183.018 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion: 56 Resp: 523330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 30.8 | 25.2 | 37.8 |
| 84 | 89.4 | 71.3 | 106.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
FA19-JMW3202MSD

**Manual Integrations APPROVED**
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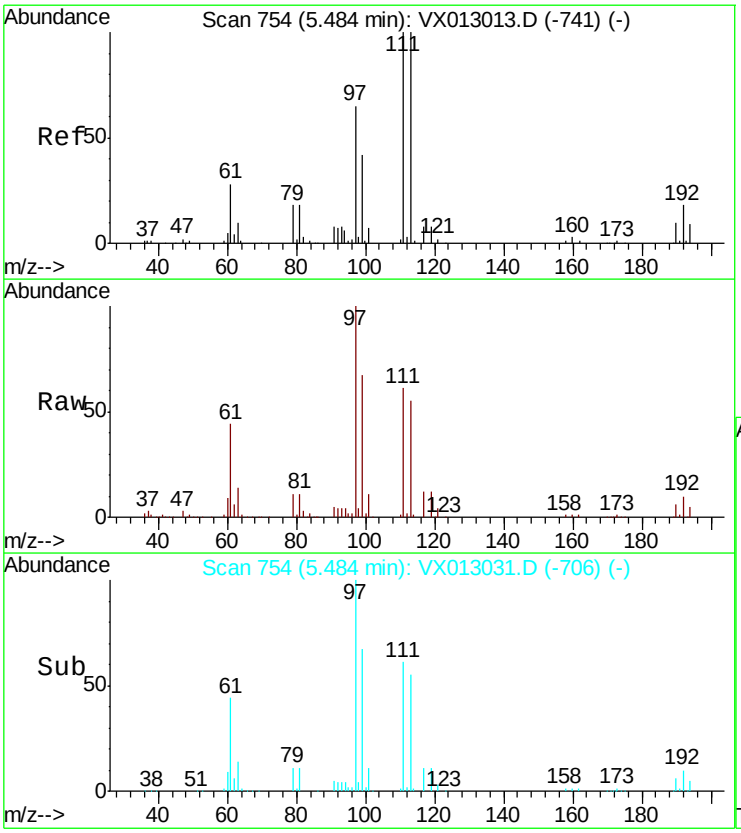
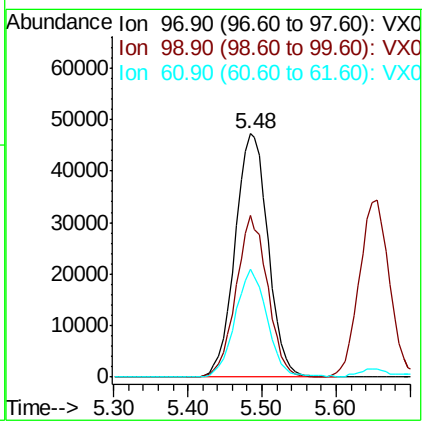
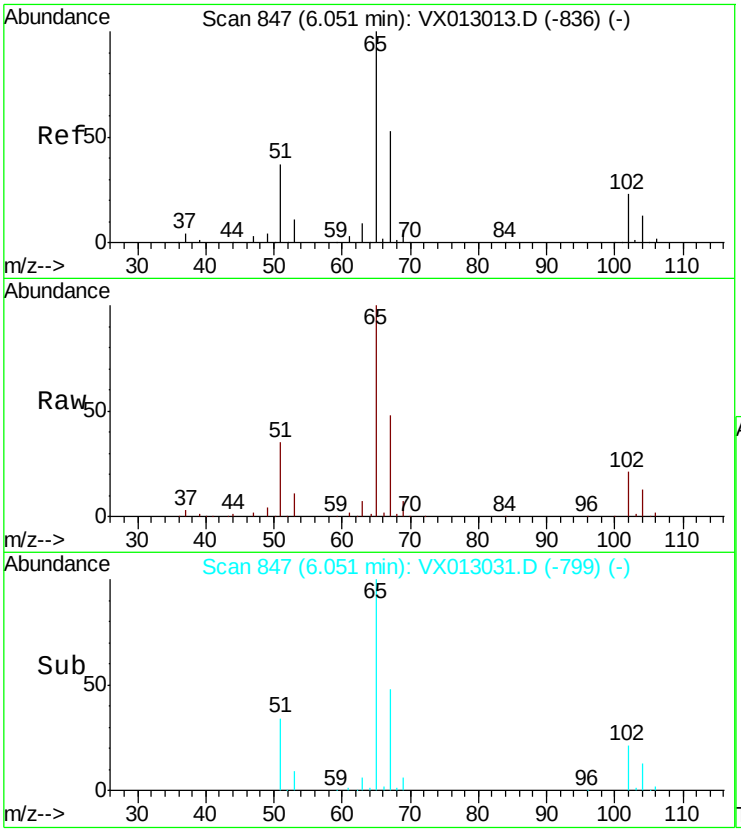



#32
1,1,1-Trichloroethane
Concen: 55.122 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.01 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion: 97 Resp: 146549

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.4 | 52.3 | 78.5 |
| 61 | 43.0 | 35.0 | 52.4 |






#33
1,2-Dichloroethane-d4
Concen: 50.720 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.01 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion: 65 Resp: 99926

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.0 | 0.0 | 104.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
FA19-JMW3202MSD

**Manual Integrations APPROVED**
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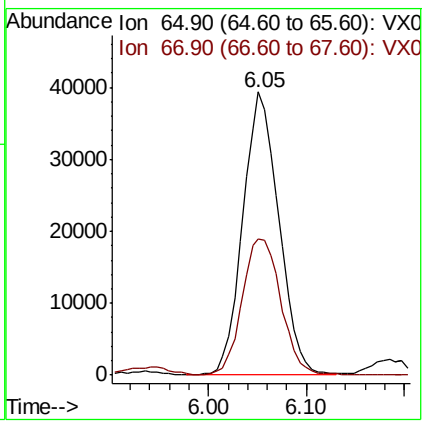
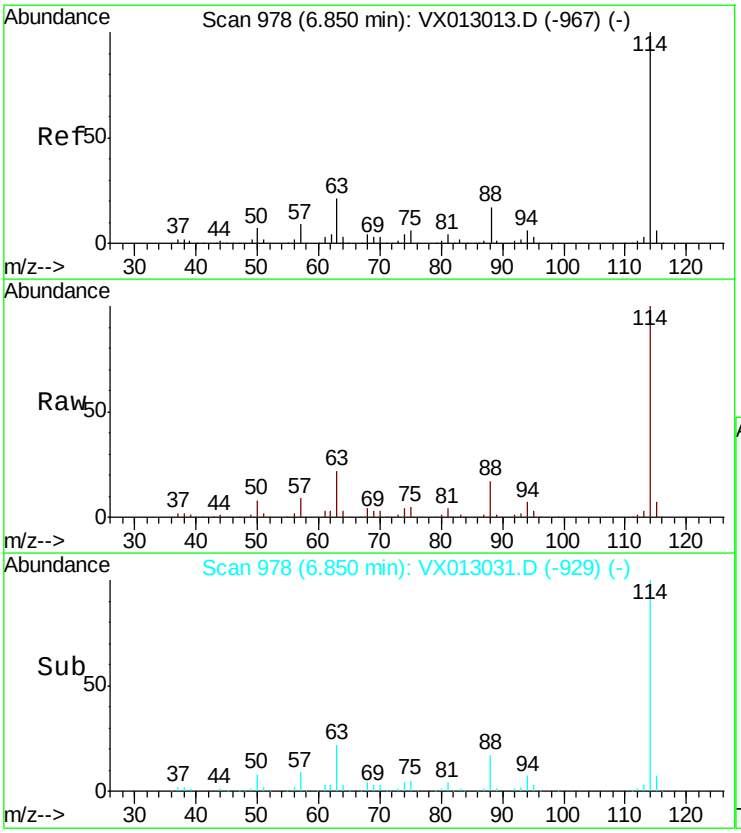
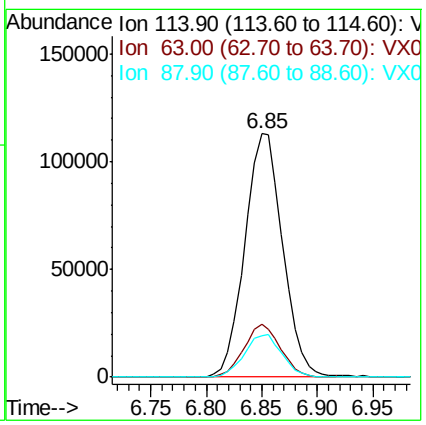


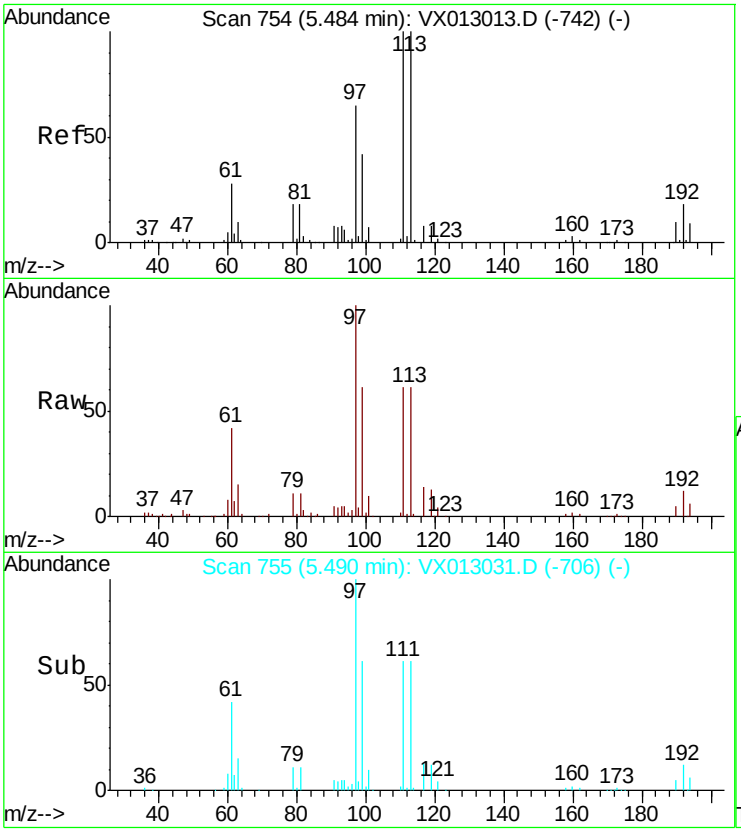




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. 0.00 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion:114 Resp: 267982

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.7 | 0.0 | 40.8 |
| 88 | 17.0 | 0.0 | 33.8 |

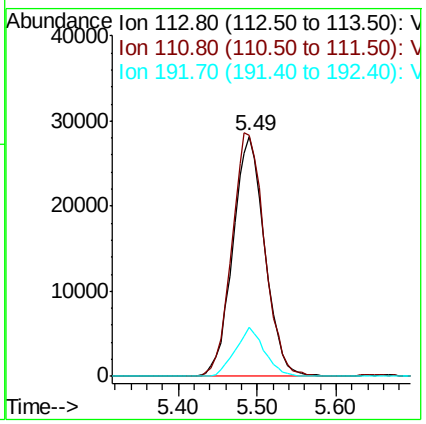





#35
Dibromofluoromethane
Concen: 51.551 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.00 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion:113 Resp: 79290

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.6 | 83.2 | 124.8 |
| 192 | 18.7 | 15.4 | 23.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
FA19-JMW3202MSD

**Manual Integrations APPROVED**
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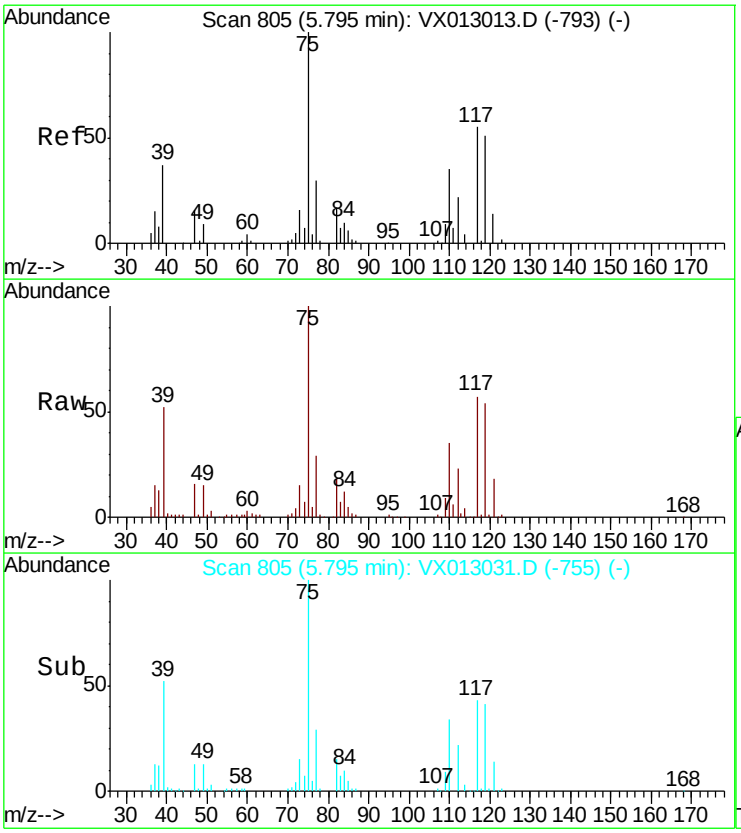
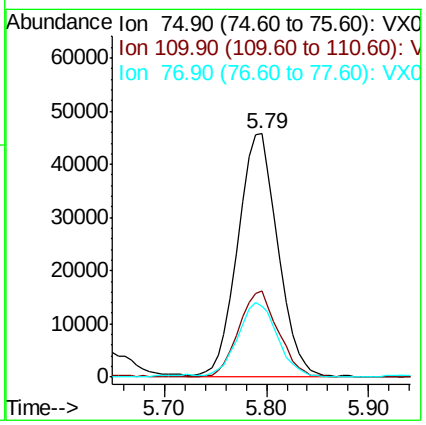
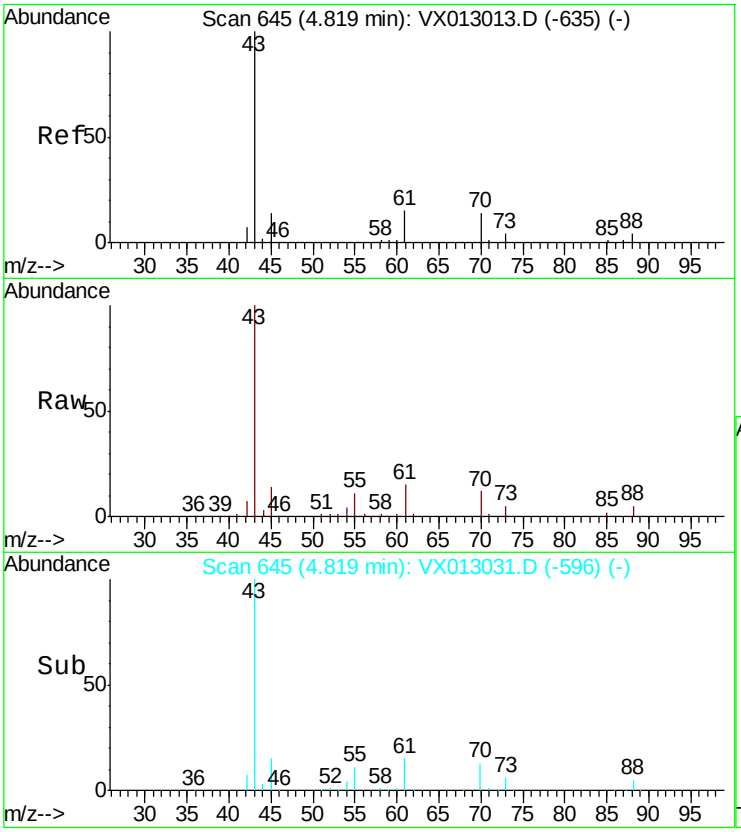



#36
1,1-Dichloropropene
Concen: 52.807 ug/l
RT: 5.79 min Scan# 805
Delta R.T. 0.01 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion: 75 Resp: 124419

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 34.9 | 17.6 | 52.9 |
| 77 | 30.8 | 24.4 | 36.6 |

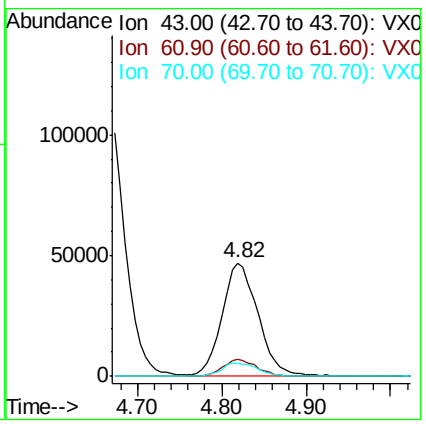





#37
Ethyl Acetate
Concen: 50.962 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion: 43 Resp: 134265

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 14.7 | 11.4 | 17.0 |
| 70 | 12.4 | 9.8 | 14.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
FA19-JMW3202MSD

**Manual Integrations APPROVED**
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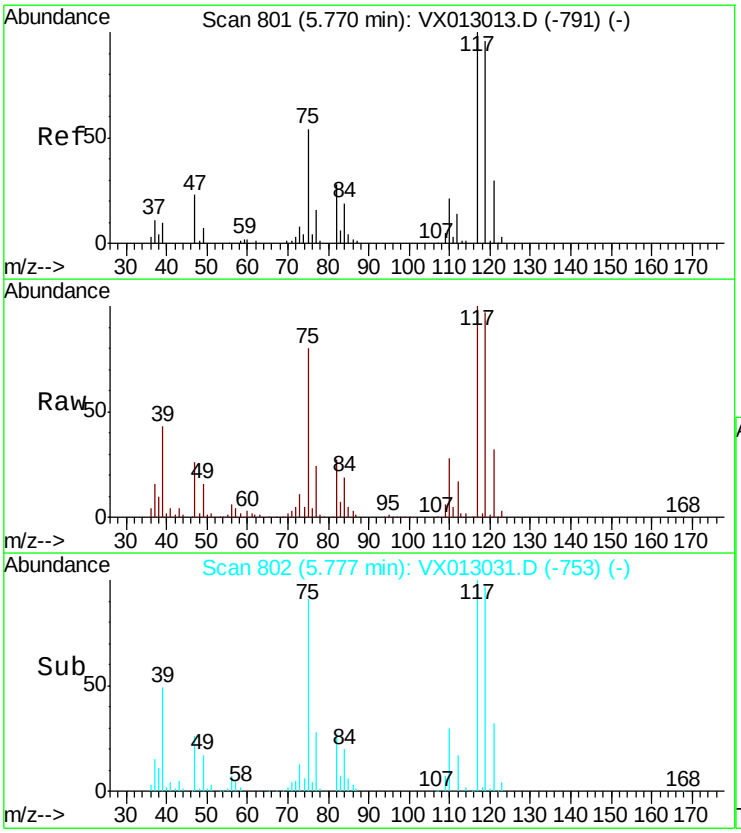
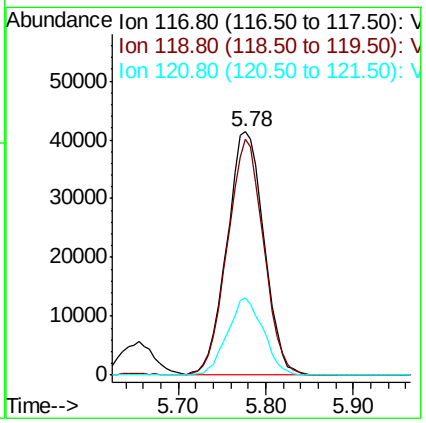
10/14/2019 10:39:45 AM

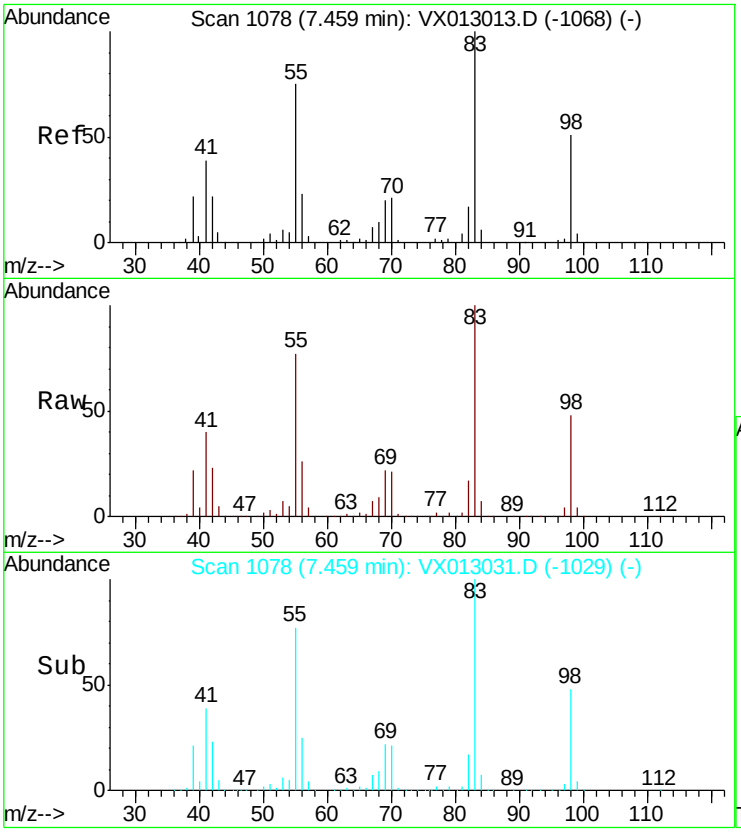



#38
Carbon Tetrachloride
Concen: 53.125 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion:117 Resp: 121832

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.7 | 74.5 | 111.7 |
| 121 | 31.7 | 24.2 | 36.4 |

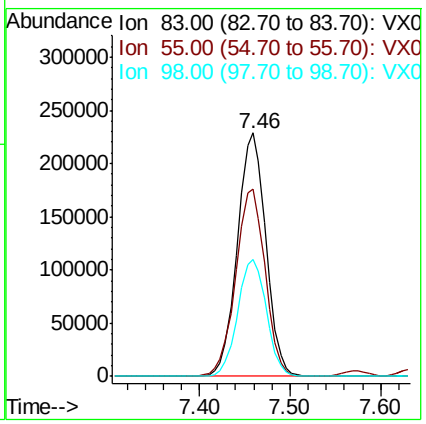





#39
Methylcyclohexane
Concen: 174.051 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

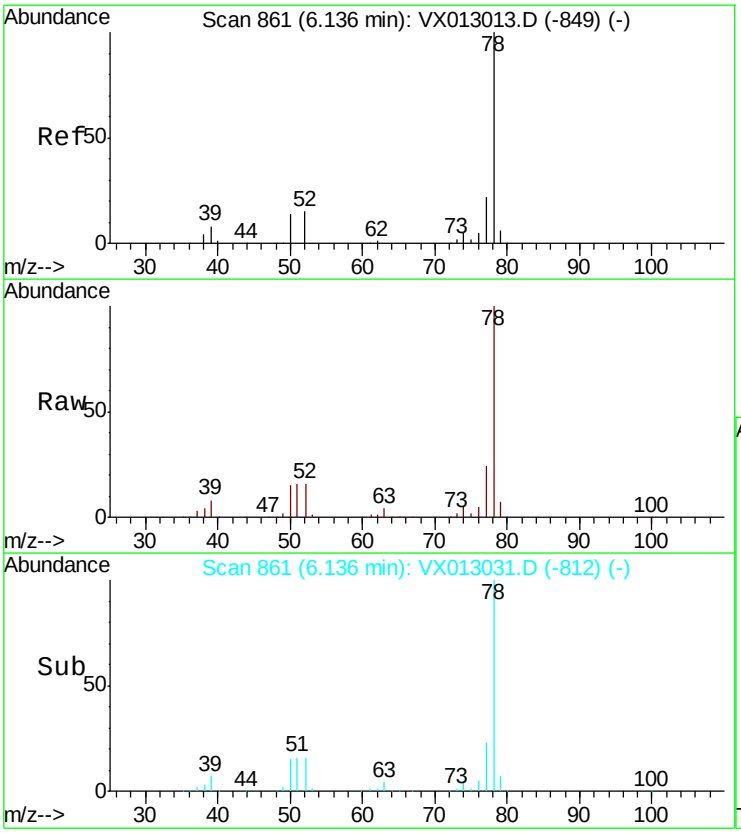
Tgt Ion: 83 Resp: 497321

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 76.6 | 60.2 | 90.4 |
| 98 | 47.8 | 38.5 | 57.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
FA19-JMW3202MSD

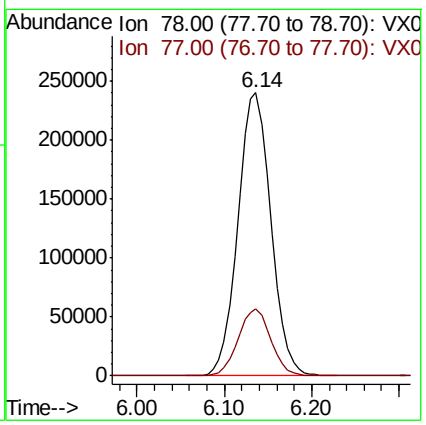
**Manual Integrations APPROVED**
MMDadoda
10/14/2019 10:39:45 AM

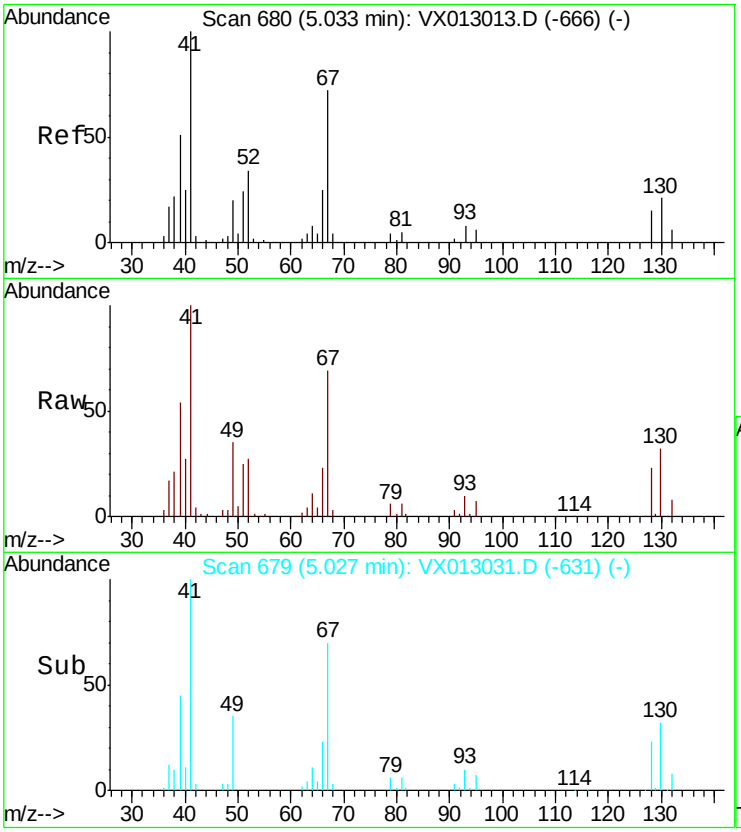



#40
Benzene
Concen: 90.329 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.00 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion: 78 Resp: 628580

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.6 | 19.0 | 28.4 |

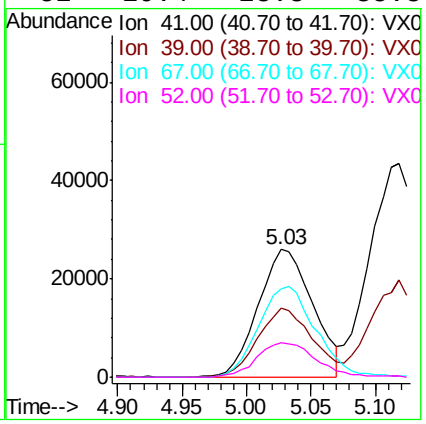





#41
Methacrylonitrile
Concen: 52.989 ug/l
RT: 5.03 min Scan# 679
Delta R.T. -0.01 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

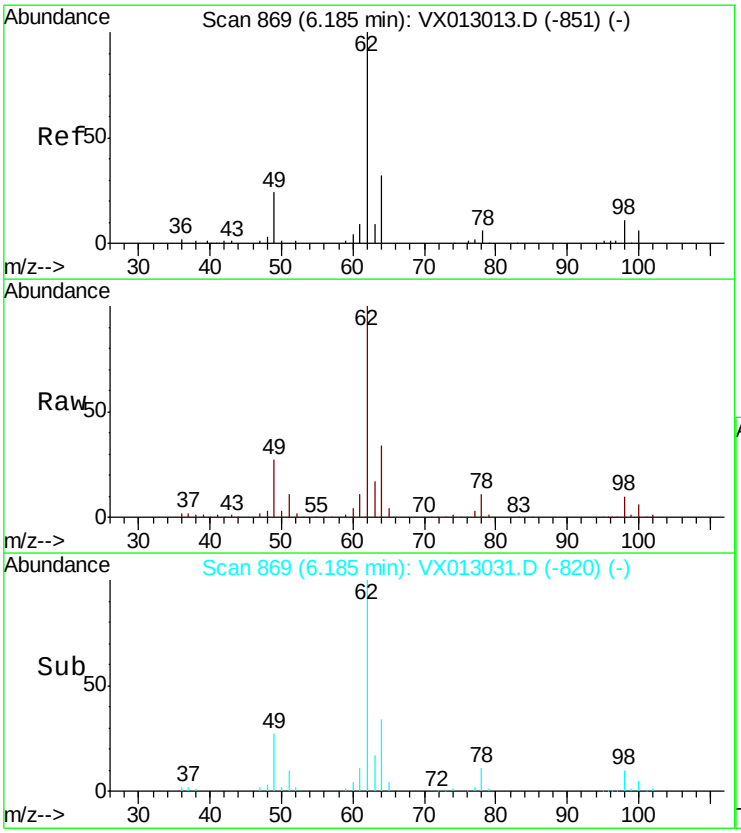
Tgt Ion: 41 Resp: 76711

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 55.0 | 44.0 | 66.0 |
| 67 | 74.5 | 58.5 | 87.7 |
| 52 | 29.4 | 23.8 | 35.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
FA19-JMW3202MSD

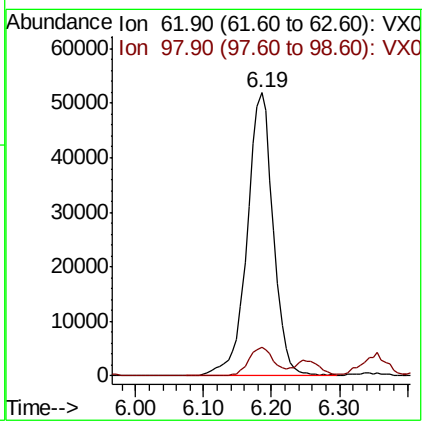
**Manual Integrations APPROVED**
MMDadoda
10/14/2019 10:39:45 AM

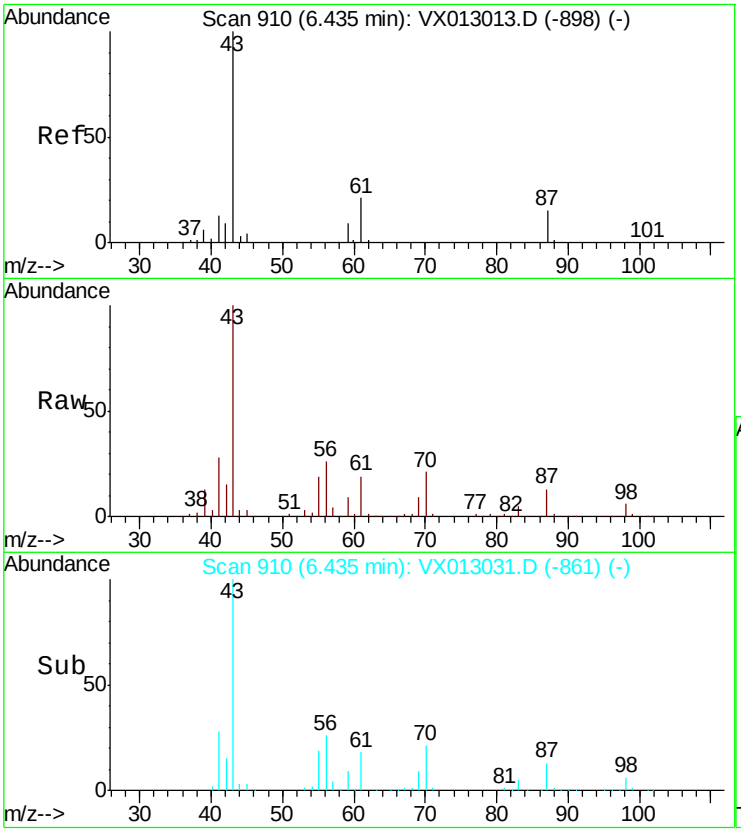



#42
1,2-Dichloroethane
Concen: 55.613 ug/l
RT: 6.19 min Scan# 869
Delta R.T. 0.00 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion: 62 Resp: 138866

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.9 | 0.0 | 20.4 |

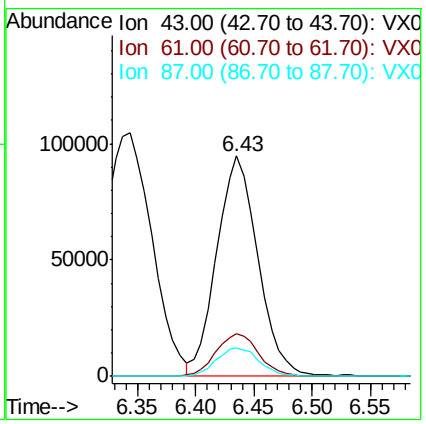





#43
Isopropyl Acetate
Concen: 54.393 ug/l
RT: 6.43 min Scan# 910
Delta R.T. 0.00 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

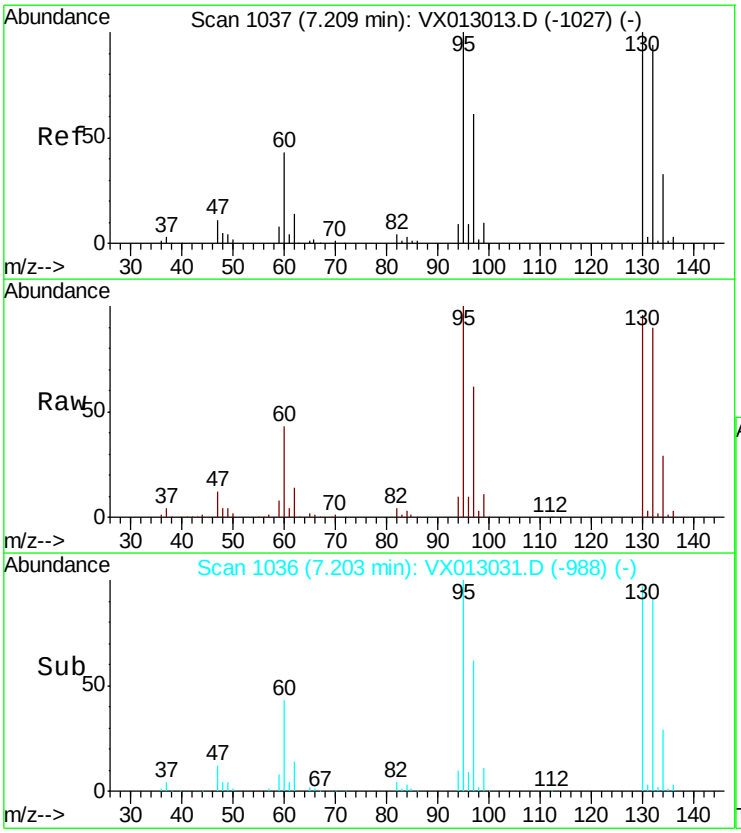
Tgt Ion: 43 Resp: 230006

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 20.2 | 16.6 | 24.8 |
| 87 | 13.8 | 11.0 | 16.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
FA19-JMW3202MSD

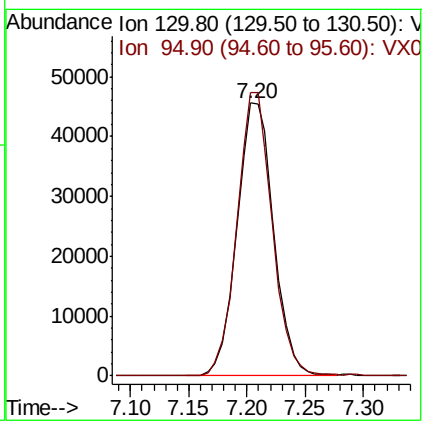
**Manual Integrations APPROVED**
MMDadoda
10/14/2019 10:39:45 AM

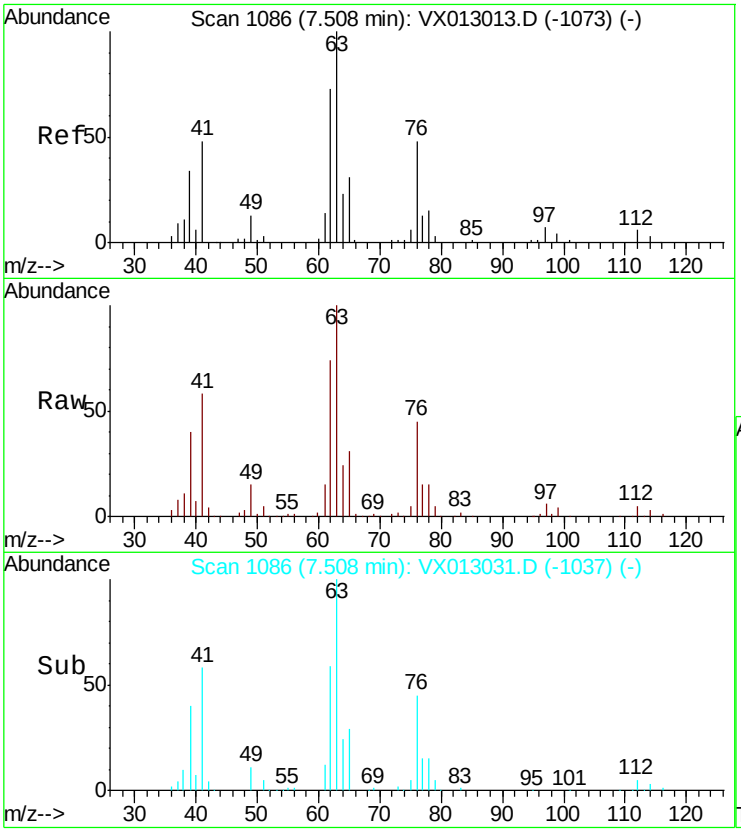



#44
Trichloroethene
Concen: 51.728 ug/l
RT: 7.20 min Scan# 1036
Delta R.T. -0.01 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion:130 Resp: 99819

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 103.7 | 0.0 | 189.2 |

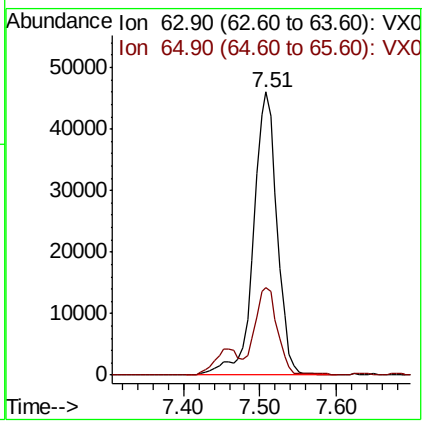





#45
1,2-Dichloropropane
Concen: 56.114 ug/l
RT: 7.51 min Scan# 1086
Delta R.T. 0.00 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion: 63 Resp: 99522

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.6 | 24.6 | 37.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
FA19-JMW3202MSD

**Manual Integrations APPROVED**
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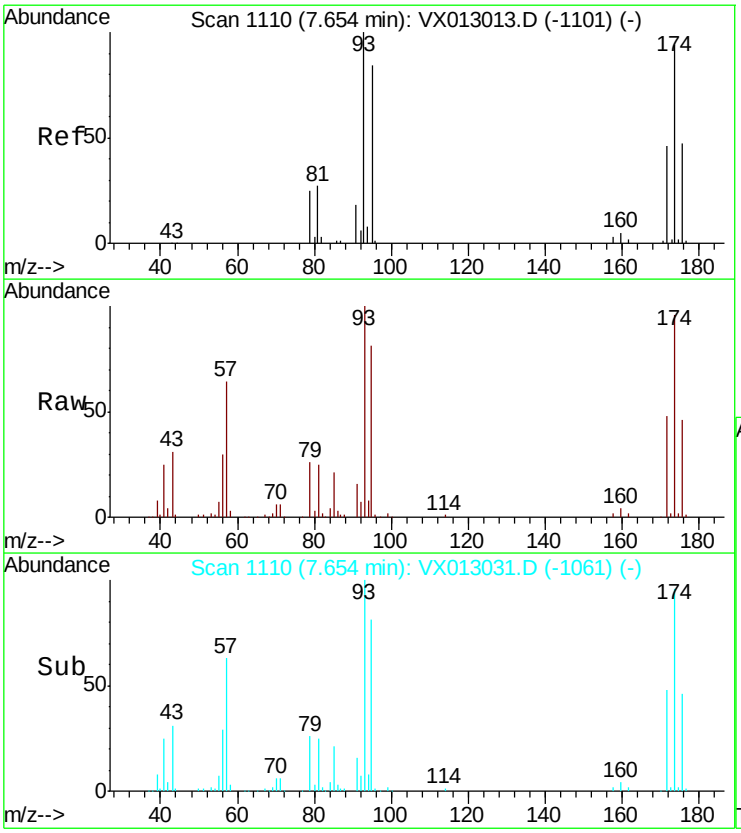
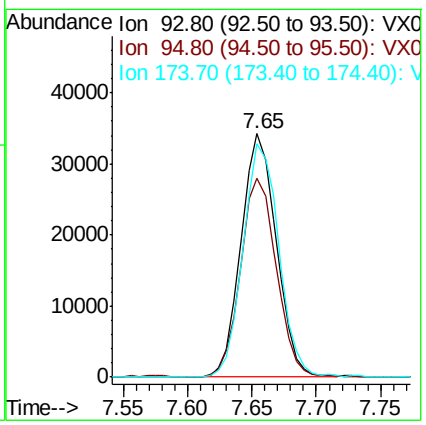
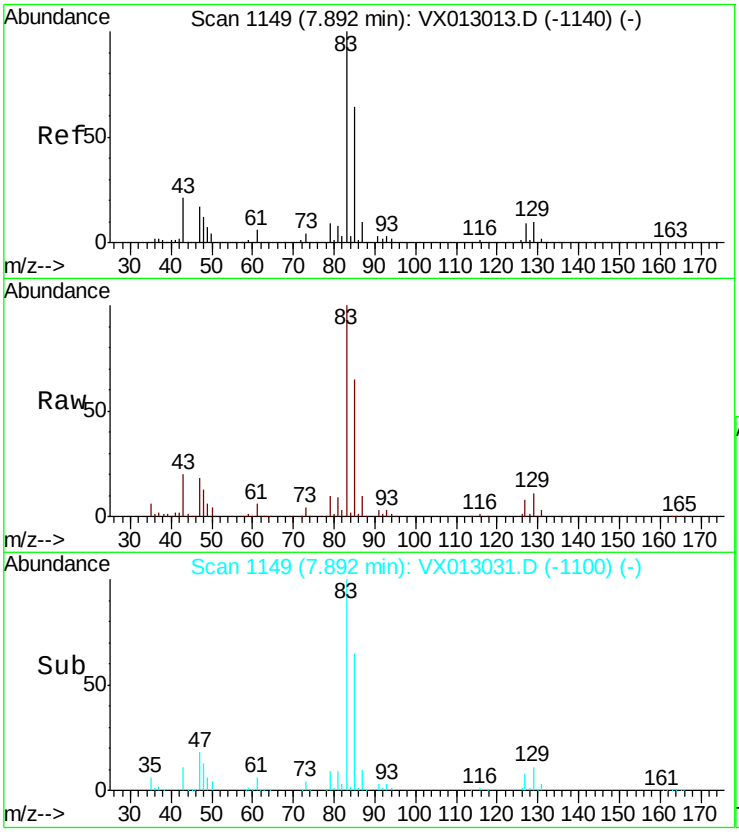



#46
Dibromomethane
Concen: 54.876 ug/l
RT: 7.65 min Scan# 1110
Delta R.T. 0.00 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion: 93 Resp: 64845

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 83.3 | 66.3 | 99.5 |
| 174 | 97.6 | 77.8 | 116.6 |

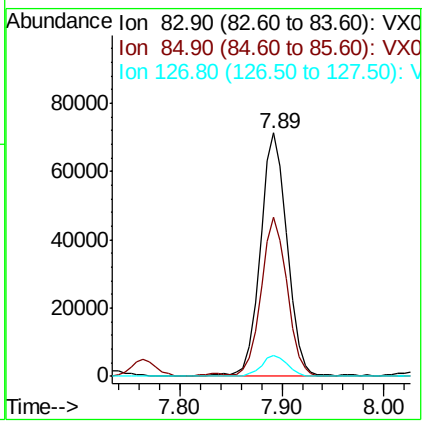





#47
Bromodichloromethane
Concen: 56.268 ug/l
RT: 7.89 min Scan# 1149
Delta R.T. 0.00 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion: 83 Resp: 129755

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.3 | 52.4 | 78.6 |
| 127 | 8.4 | 6.6 | 10.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
FA19-JMW3202MSD

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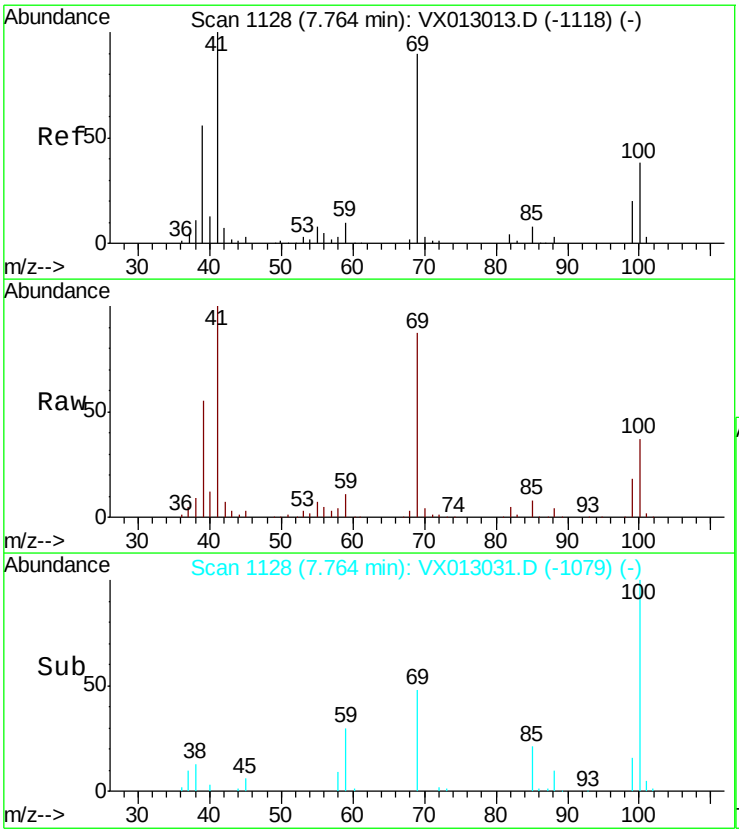
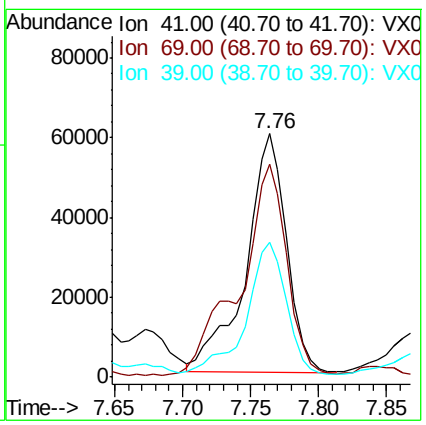
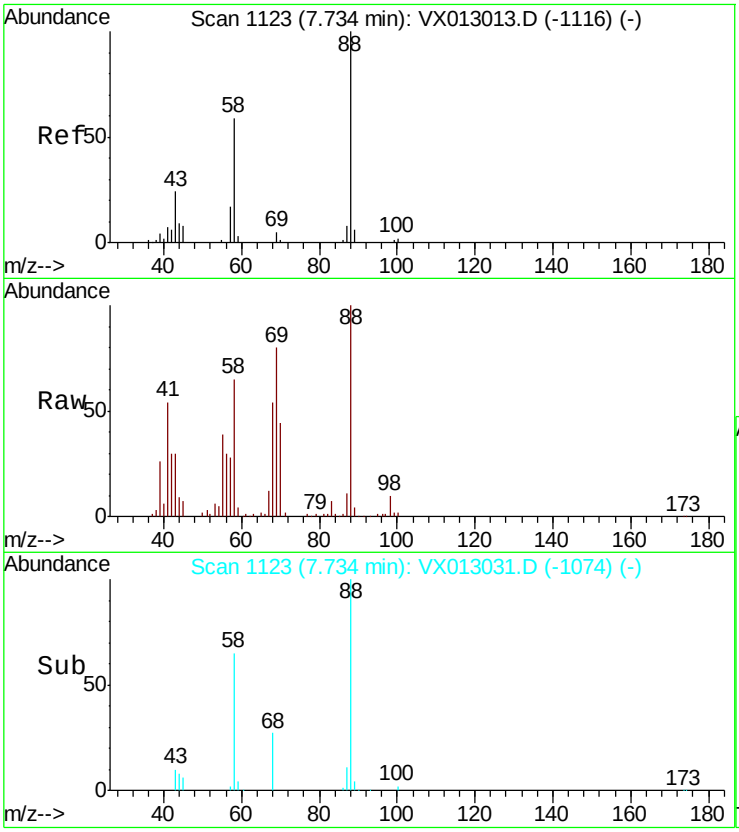



#48
Methyl methacrylate
Concen: 61.260 ug/l
RT: 7.76 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion: 41 Resp: 126235

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 103.5 | 68.7 | 103.1# |
| 39 | 53.9 | 44.3 | 66.5 |

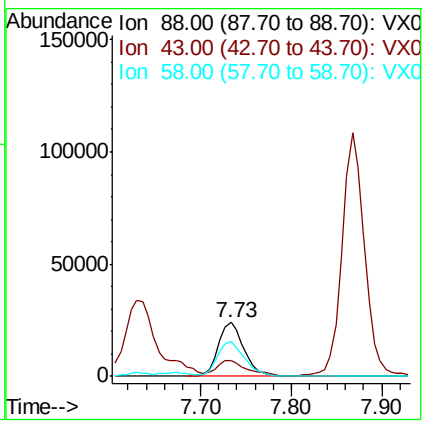





#49
1,4-Dioxane
Concen: 860.607 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion: 88 Resp: 47310

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 33.8 | 25.0 | 37.6 |
| 58 | 68.9 | 55.4 | 83.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
FA19-JMW3202MSD

**Manual Integrations APPROVED**
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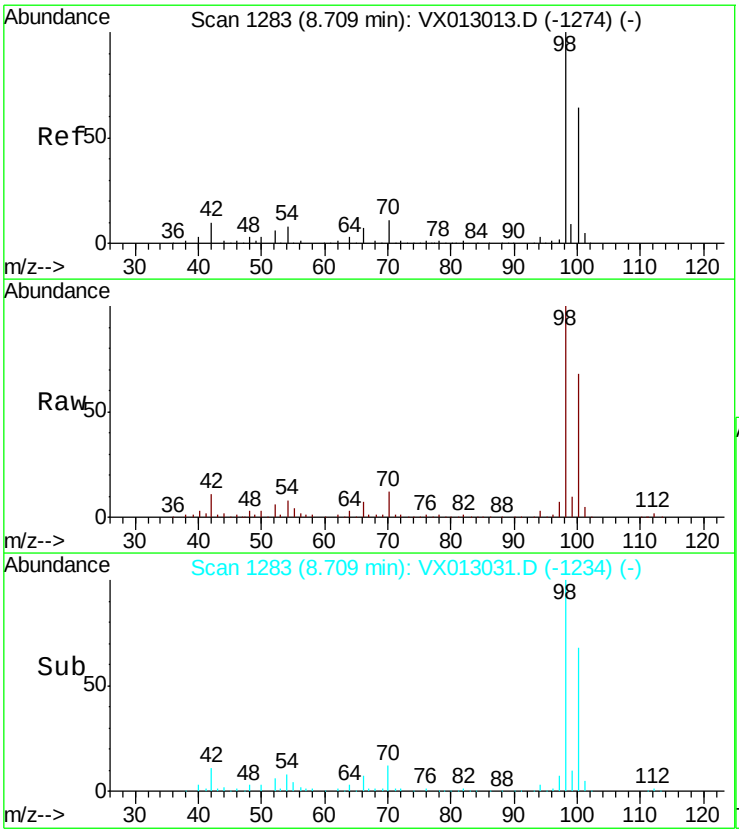
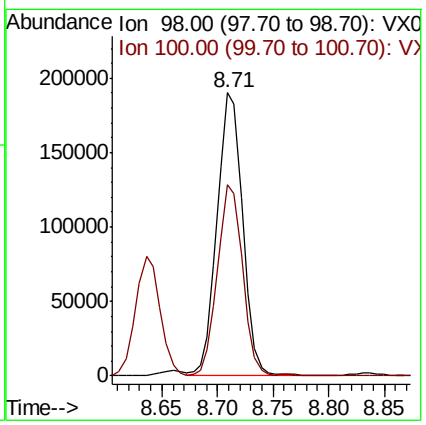
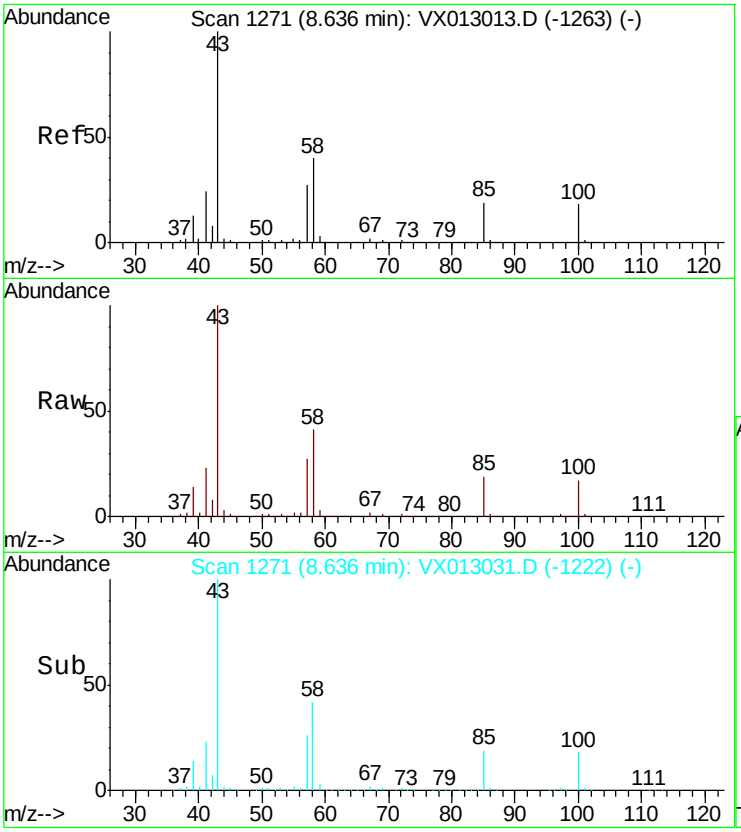



#50
Toluene-d8
Concen: 50.395 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion: 98 Resp: 302314

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.8 | 53.4 | 80.2 |

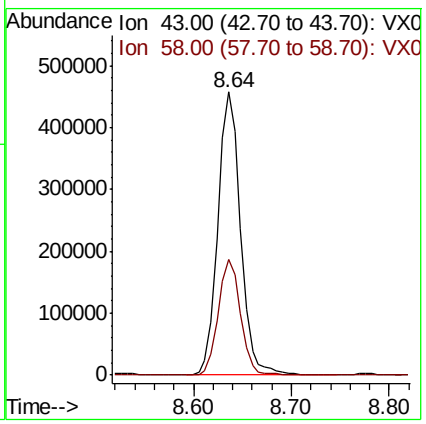





#51
4-Methyl-2-Pentanone
Concen: 279.156 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion: 43 Resp: 735975

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 40.2 | 32.4 | 48.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
FA19-JMW3202MSD

**Manual Integrations APPROVED**
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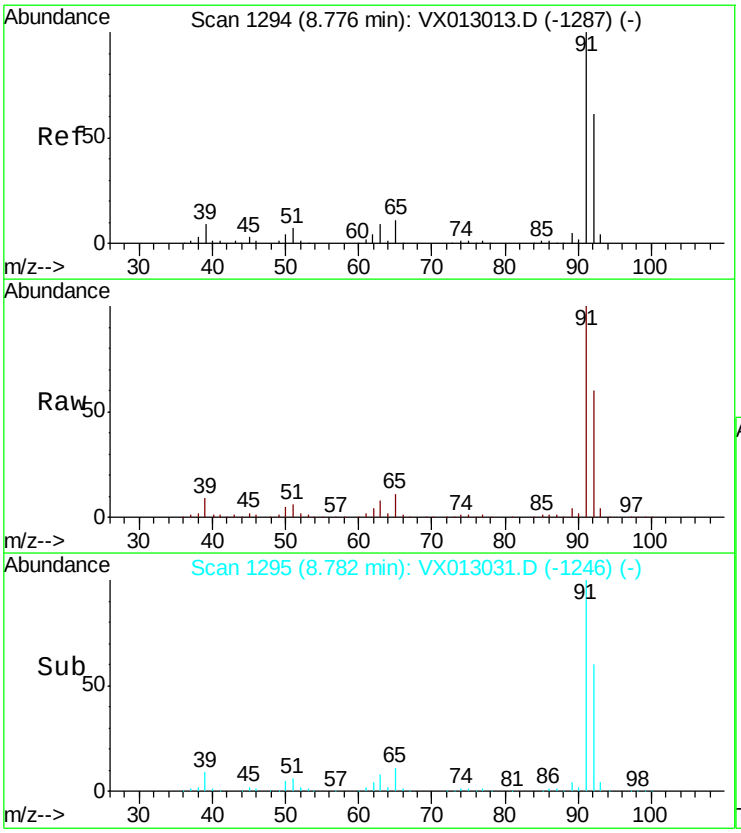
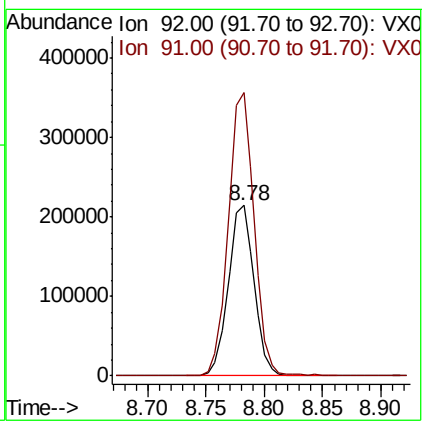
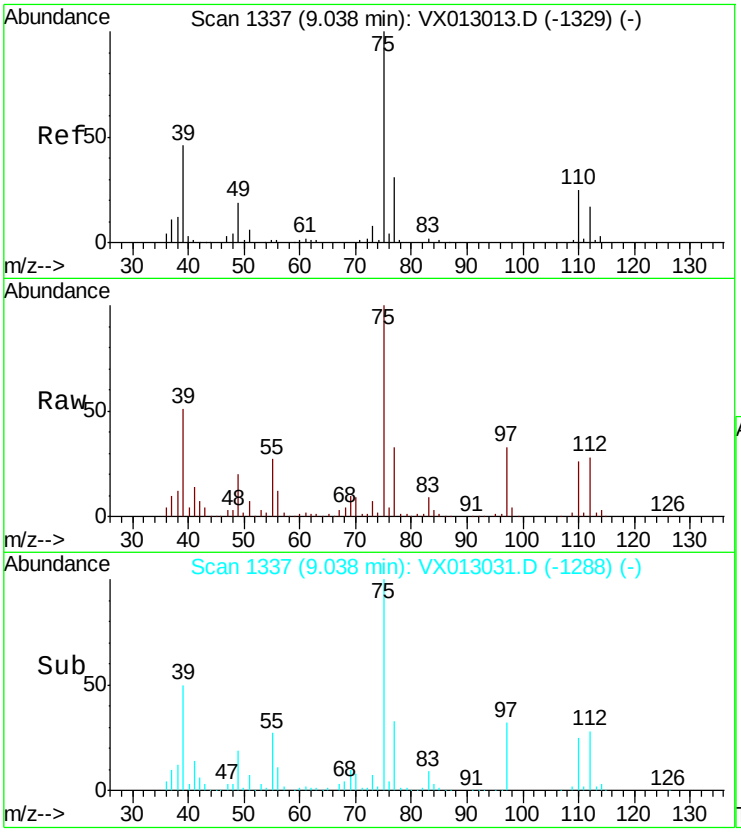



#52
Toluene
Concen: 74.392 ug/l
RT: 8.78 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion: 92 Resp: 331188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 166.7 | 135.9 | 203.9 |

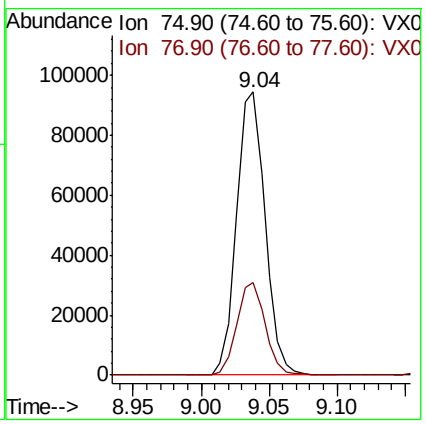





#53
t-1,3-Dichloropropene
Concen: 48.129 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion: 75 Resp: 138262

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.7 | 25.8 | 38.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
FA19-JMW3202MSD

**Manual Integrations APPROVED**
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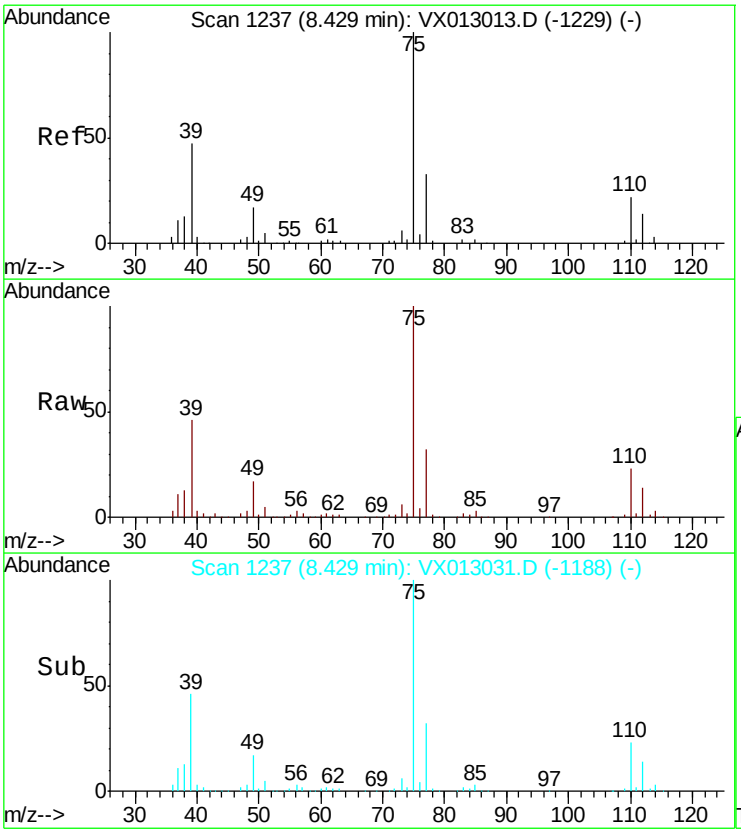
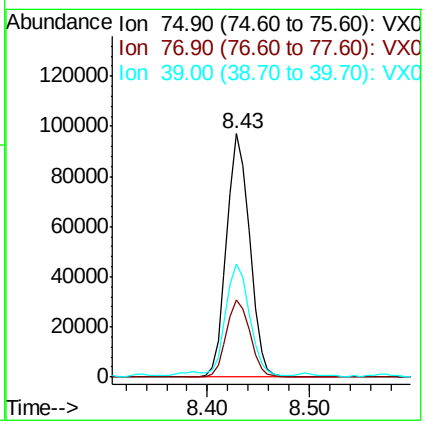
10/14/2019 10:39:45 AM

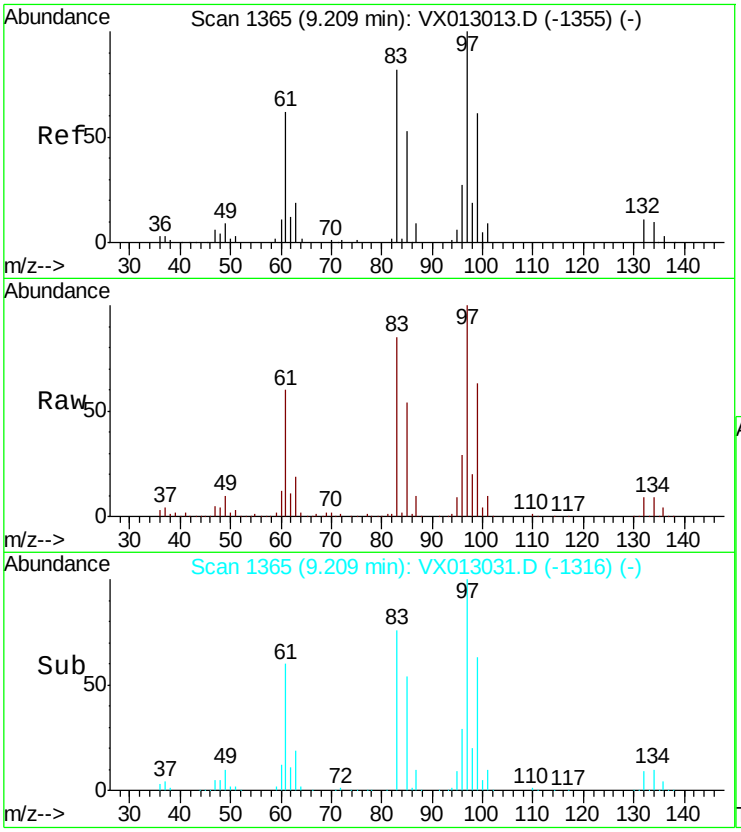



#54
cis-1,3-Dichloropropene
Concen: 53.783 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion: 75 Resp: 152538

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.5 | 25.8 | 38.8 |
| 39 | 45.7 | 38.2 | 57.2 |

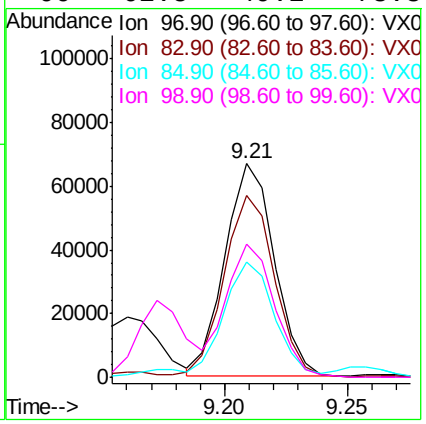





#55
1,1,2-Trichloroethane
Concen: 53.750 ug/l
RT: 9.21 min Scan# 1365
Delta R.T. 0.00 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion: 97 Resp: 94699

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 85.3 | 66.5 | 99.7 |
| 85 | 51.8 | 43.1 | 64.7 |
| 99 | 62.5 | 49.2 | 73.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
FA19-JMW3202MSD

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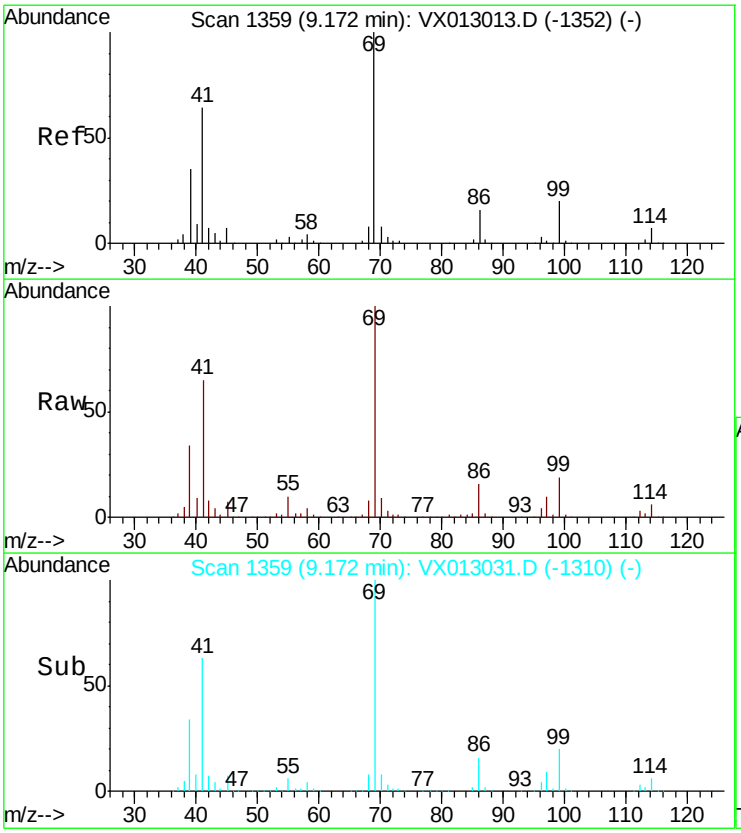
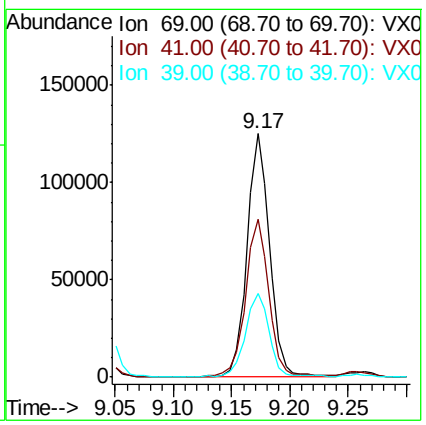
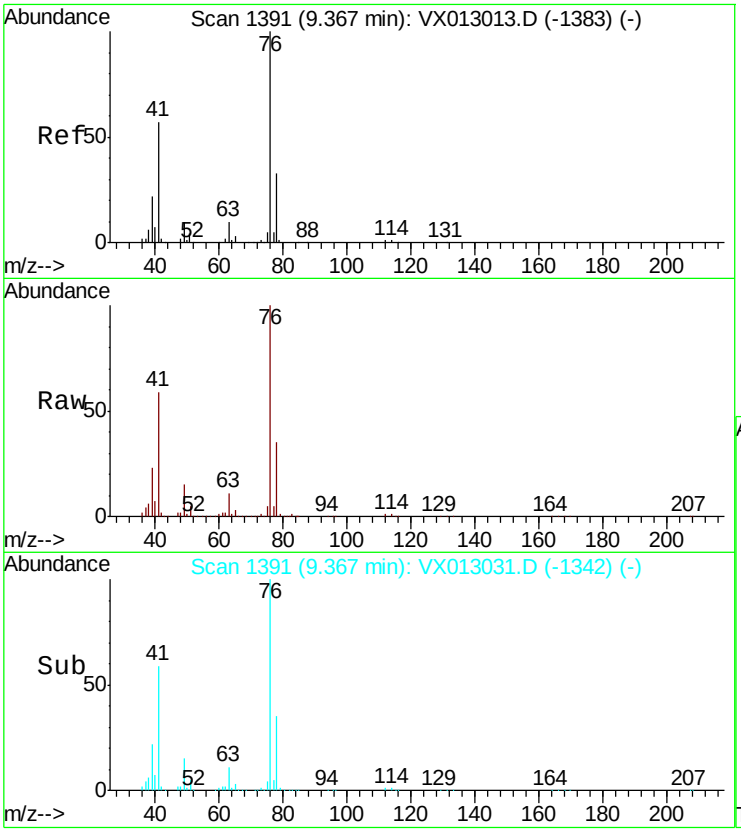



#56
Ethyl methacrylate
Concen: 53.774 ug/l
RT: 9.17 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion: 69 Resp: 170103

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 66.5 | 52.1 | 78.1 |
| 39 | 36.2 | 27.8 | 41.8 |

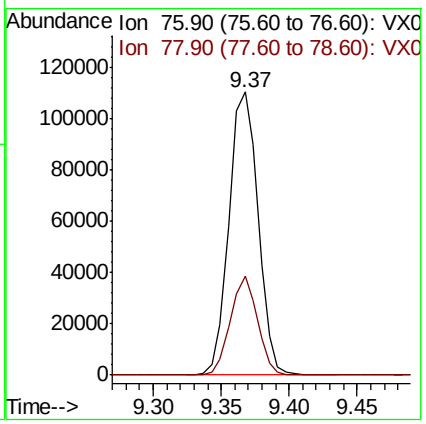





#57
1,3-Dichloropropane
Concen: 53.937 ug/l
RT: 9.37 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

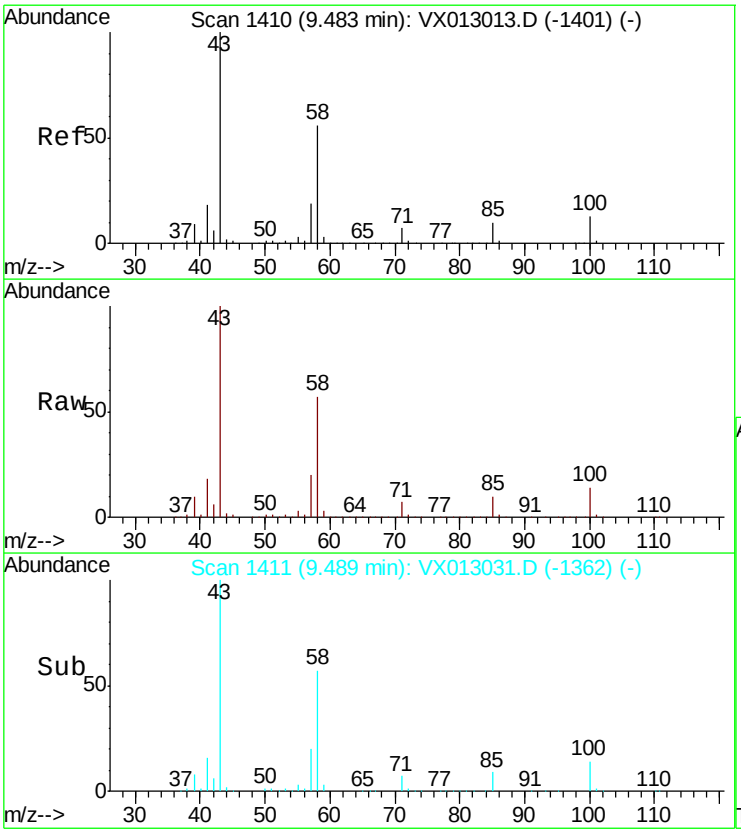
Tgt Ion: 76 Resp: 164380

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.6 | 26.1 | 39.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
FA19-JMW3202MSD

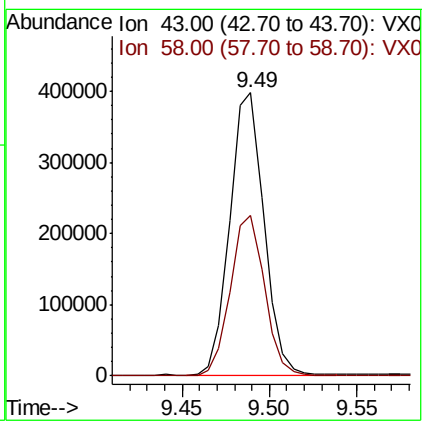
**Manual Integrations APPROVED**
MMDadoda
10/14/2019 10:39:45 AM

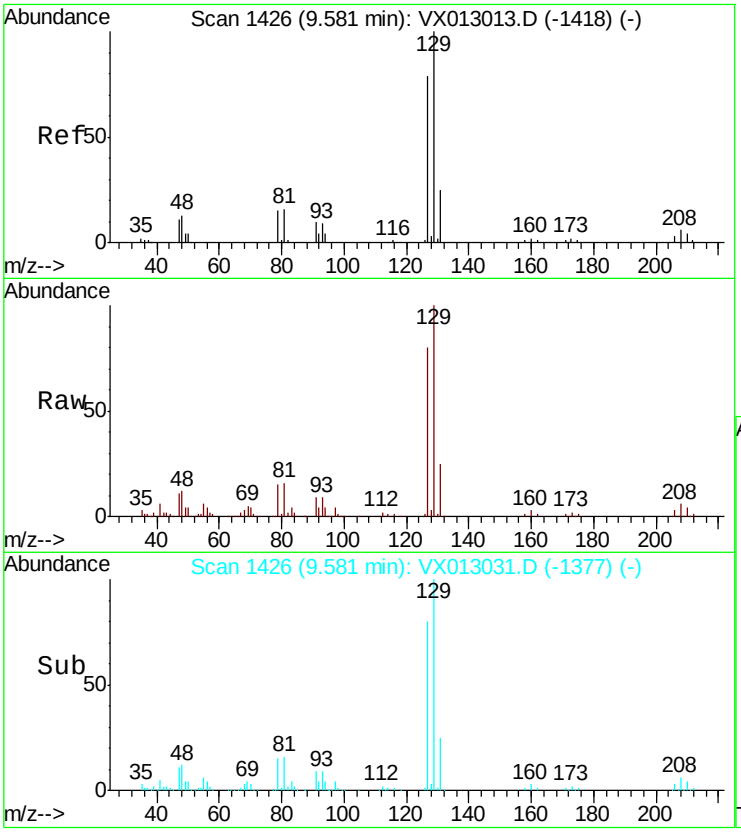



#59
2-Hexanone
Concen: 262.576 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.00 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion: 43 Resp: 538884

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 57.5 | 28.1 | 84.3 |

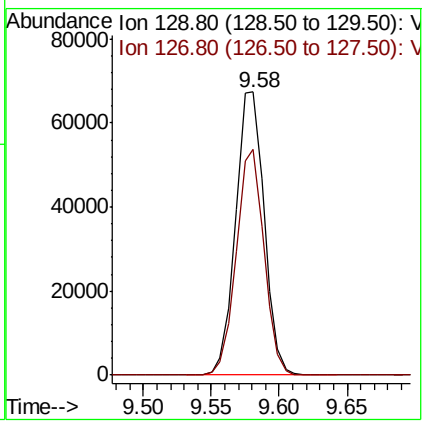





#60
Dibromochloromethane
Concen: 50.293 ug/l
RT: 9.58 min Scan# 1426
Delta R.T. 0.00 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion:129 Resp: 98627

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.3 | 38.9 | 116.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
FA19-JMW3202MSD

**Manual Integrations APPROVED**
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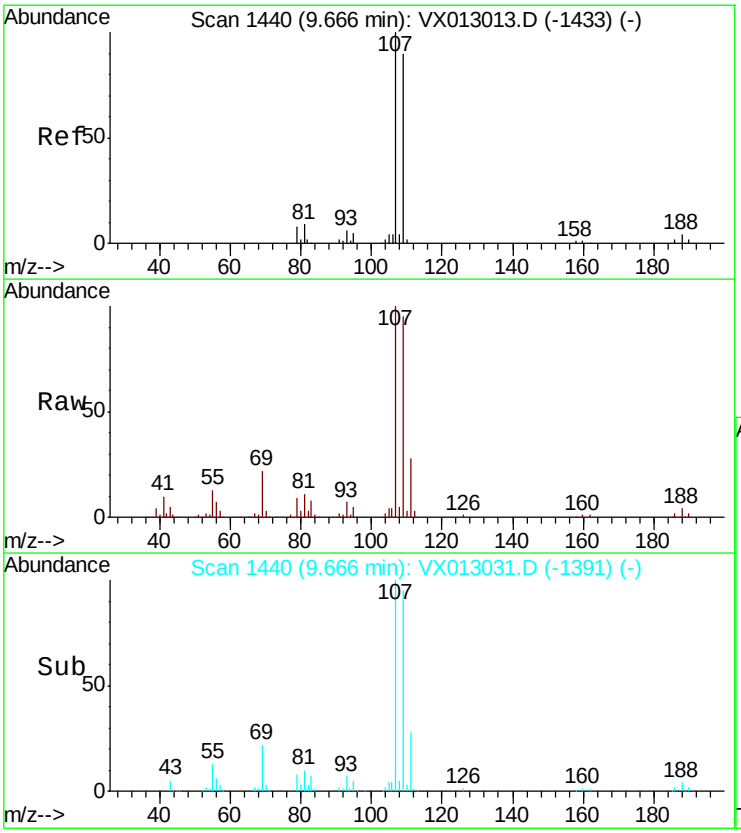
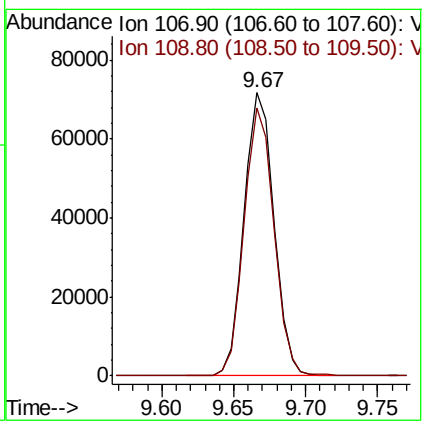
10/14/2019 10:39:45 AM

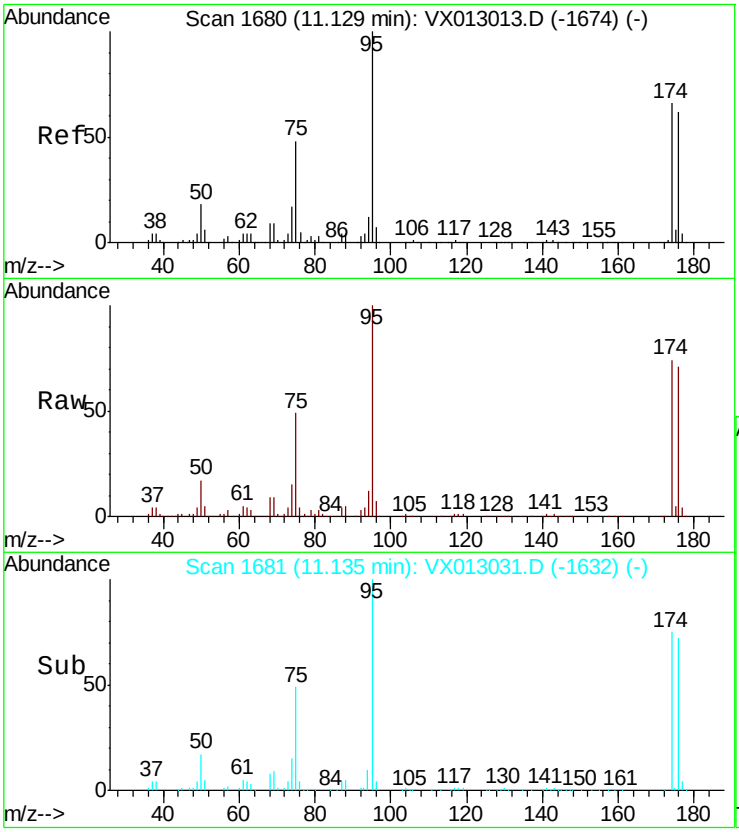



#61
1,2-Dibromoethane
Concen: 55.411 ug/l
RT: 9.67 min Scan# 1440
Delta R.T. 0.00 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion:107 Resp: 102696

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 95.2 | 75.8 | 113.6 |

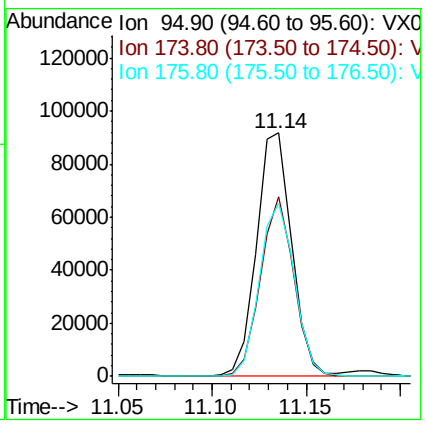





#62
4-Bromofluorobenzene
Concen: 50.904 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

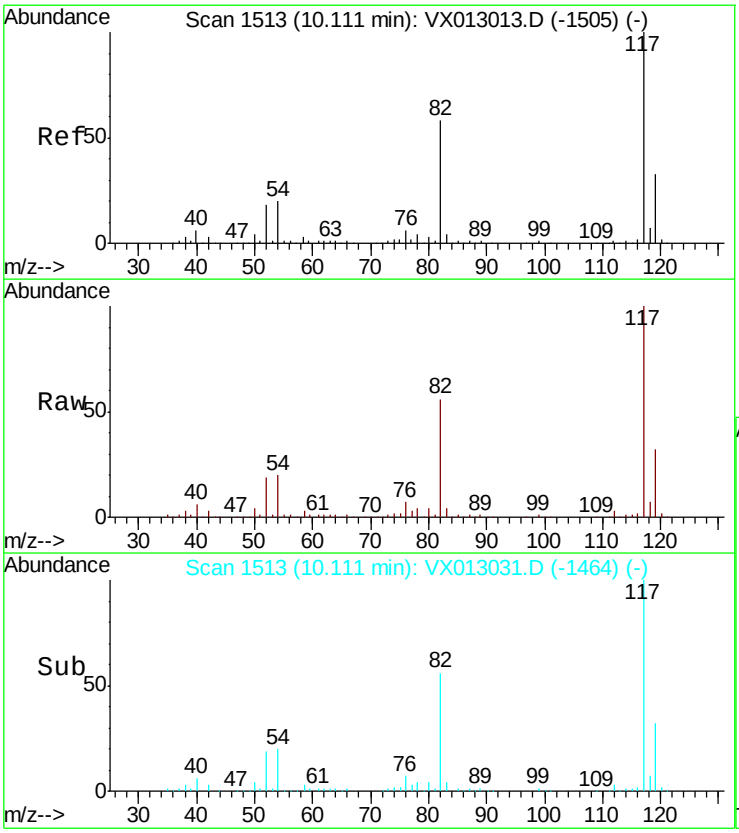
Tgt Ion: 95 Resp: 118652

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 70.4 | 0.0 | 143.4 |
| 176 | 70.8 | 0.0 | 136.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
FA19-JMW3202MSD

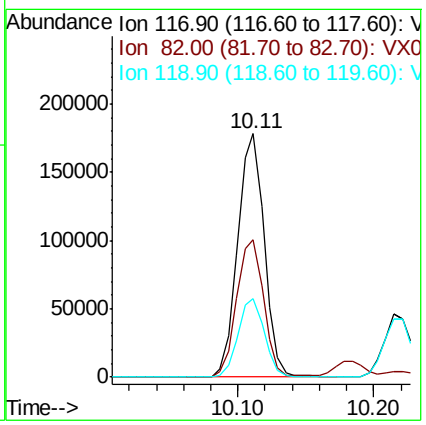
**Manual Integrations APPROVED**
MMDadoda
10/14/2019 10:39:45 AM

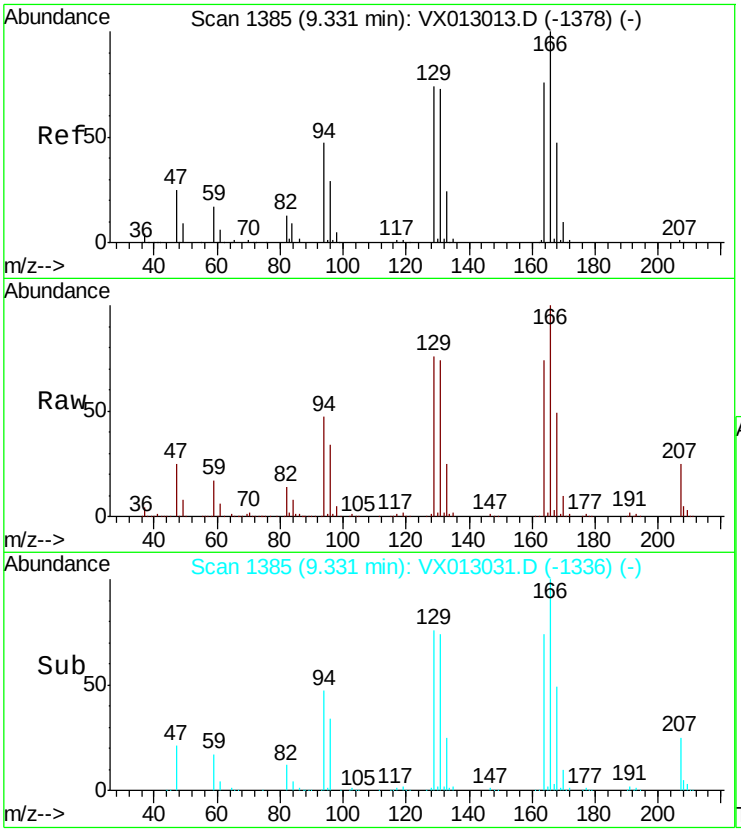



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion:117 Resp: 242612

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.2 | 44.1 | 66.1 |
| 119 | 32.3 | 25.8 | 38.8 |

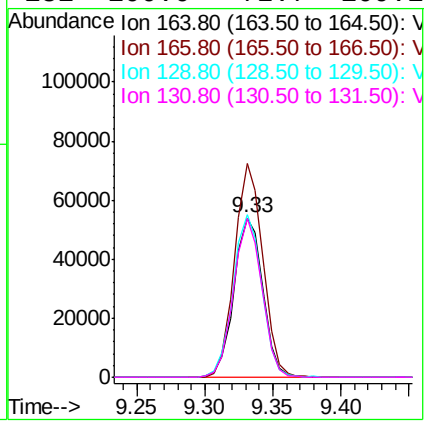





#64
Tetrachloroethene
Concen: 47.249 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion:164 Resp: 79508

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 134.4 | 96.9 | 145.3 |
| 129 | 102.3 | 77.9 | 116.9 |
| 131 | 100.0 | 72.7 | 109.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
FA19-JMW3202MSD

**Manual Integrations APPROVED**
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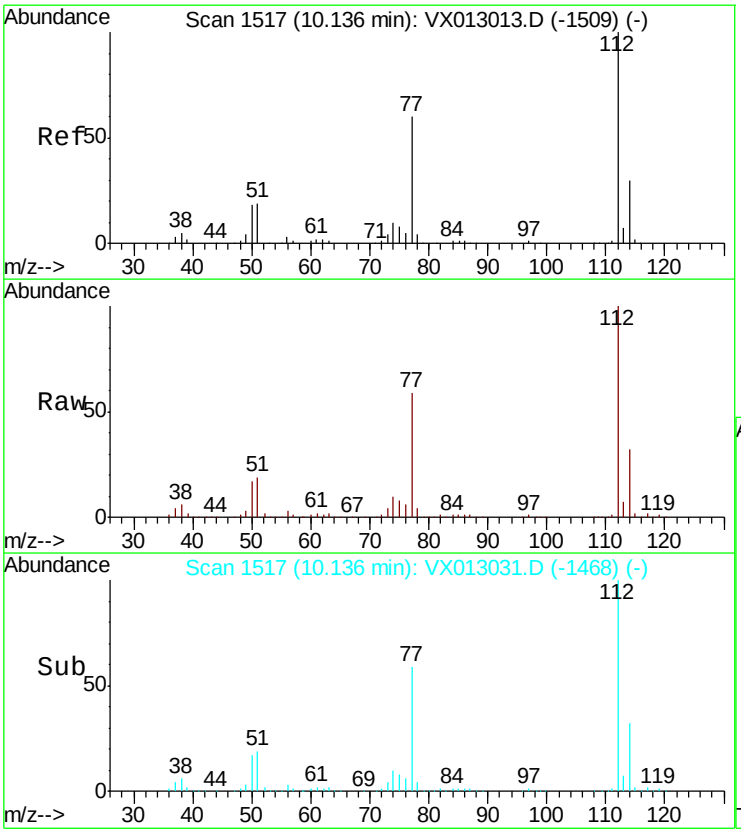
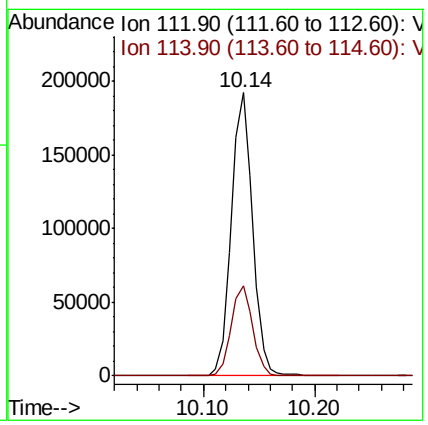
10/14/2019 10:39:45 AM

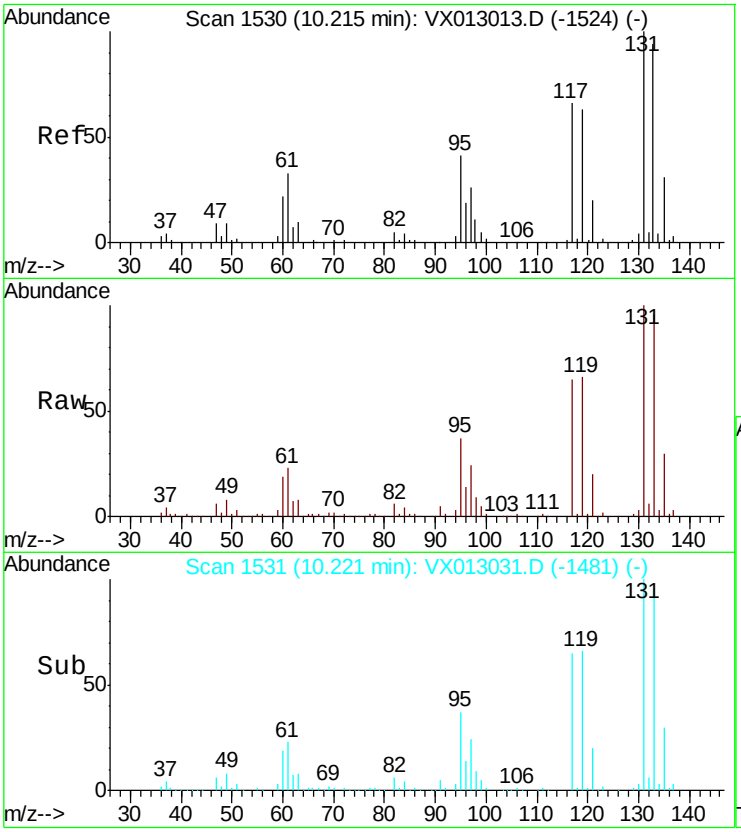



#65
Chlorobenzene
Concen: 52.708 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion:112 Resp: 253944

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.9 | 25.7 | 38.5 |

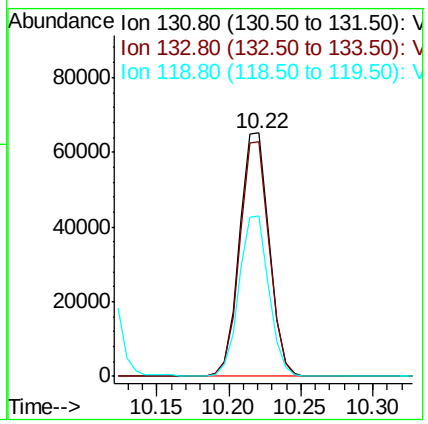





#66
1,1,1,2-Tetrachloroethane
Concen: 55.545 ug/l
RT: 10.22 min Scan# 1531
Delta R.T. 0.01 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

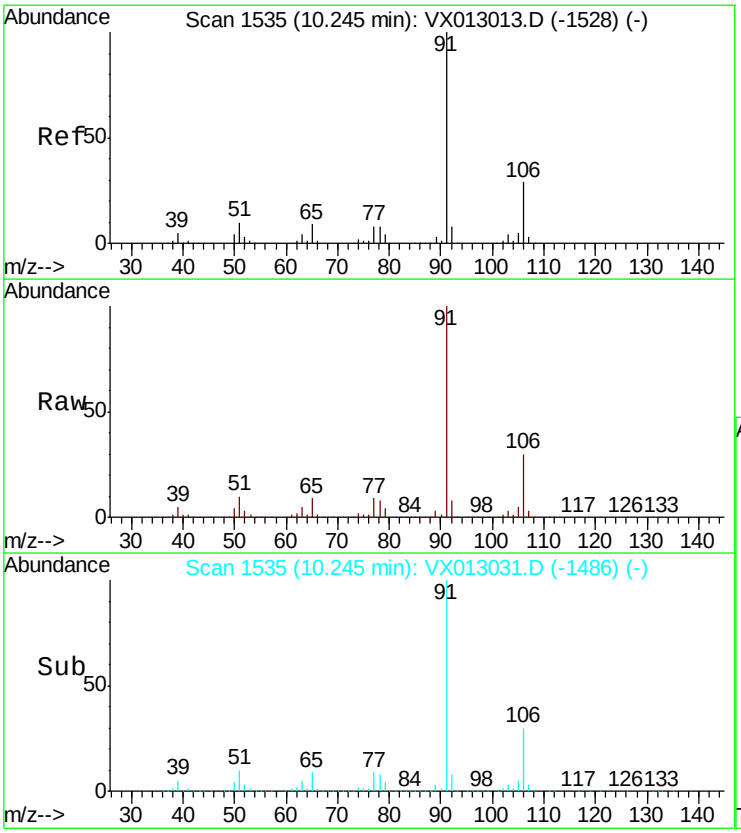
Tgt Ion:131 Resp: 92787

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 95.7 | 47.2 | 141.6 |
| 119 | 66.0 | 32.6 | 98.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
FA19-JMW3202MSD

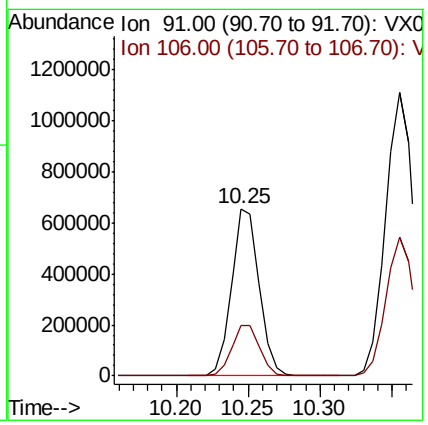
**Manual Integrations APPROVED**
MMDadoda
10/14/2019 10:39:45 AM

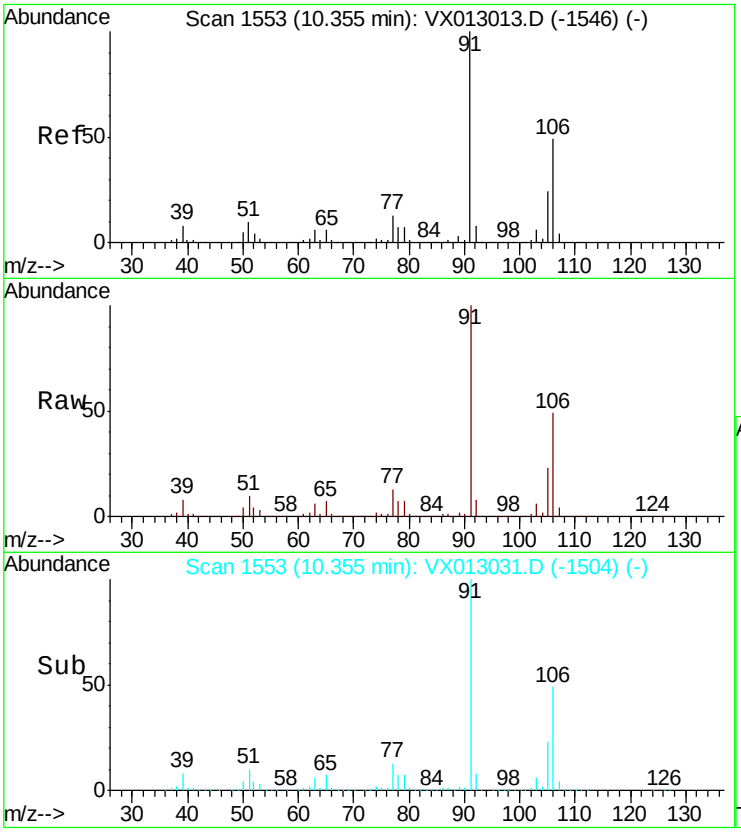



#67
Ethyl Benzene
Concen: 102.593 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion: 91 Resp: 877987

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.4 | 23.9 | 35.9 |






#68
m/p-Xylenes
Concen: 228.549 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion:106 Resp: 730695

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 205.1 | 165.3 | 247.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
FA19-JMW3202MSD

**Manual Integrations APPROVED**
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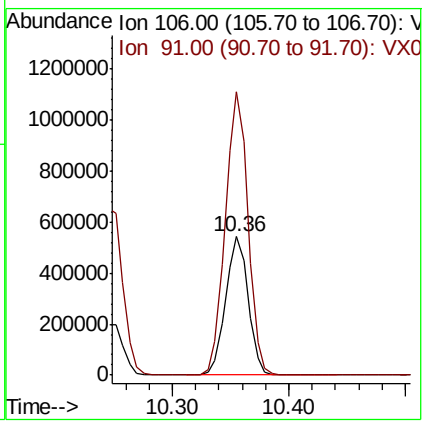
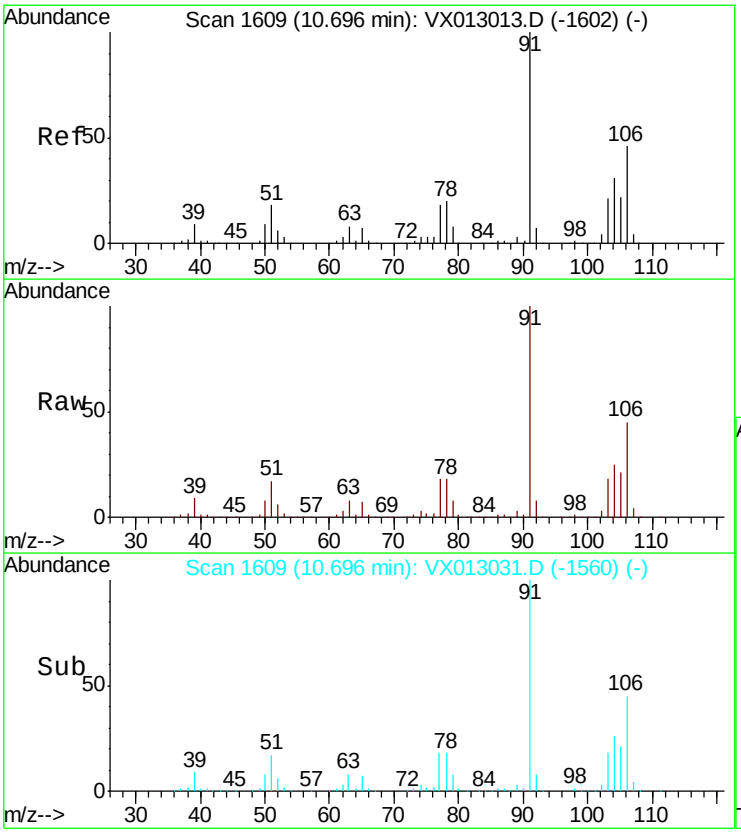
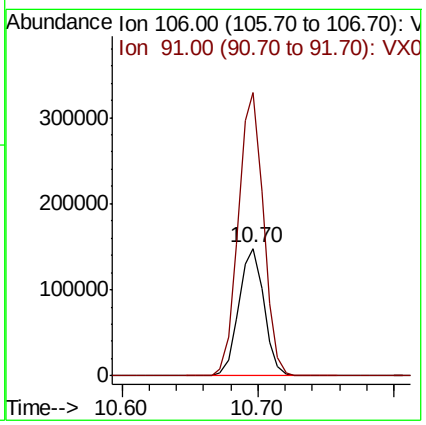


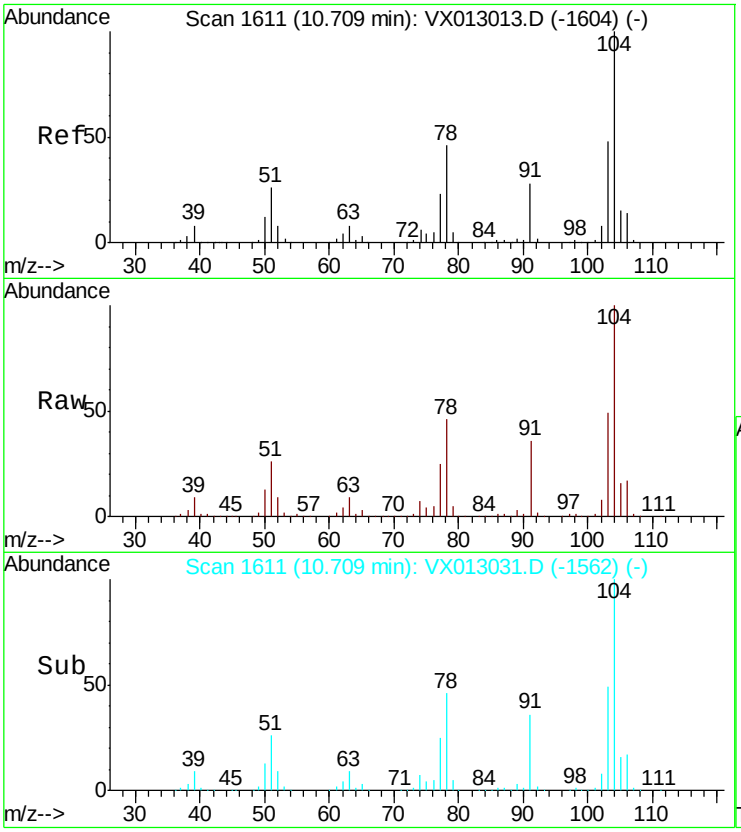




#69
o-Xylene
Concen: 60.904 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion:106 Resp: 189884

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 222.7 | 109.1 | 327.3 |






#70
Stvrene
Concen: 55.362 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion:104 Resp: 293430

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 53.1 | 41.2 | 61.8 |
| 103 | 54.9 | 43.0 | 64.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
FA19-JMW3202MSD

**Manual Integrations APPROVED**
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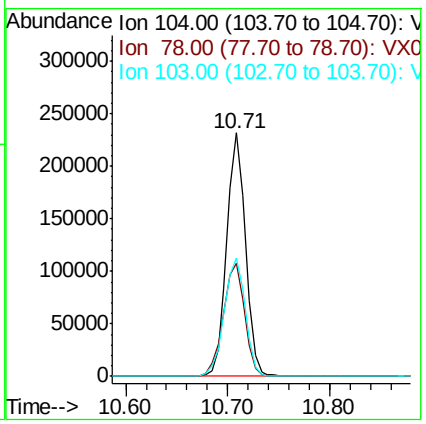
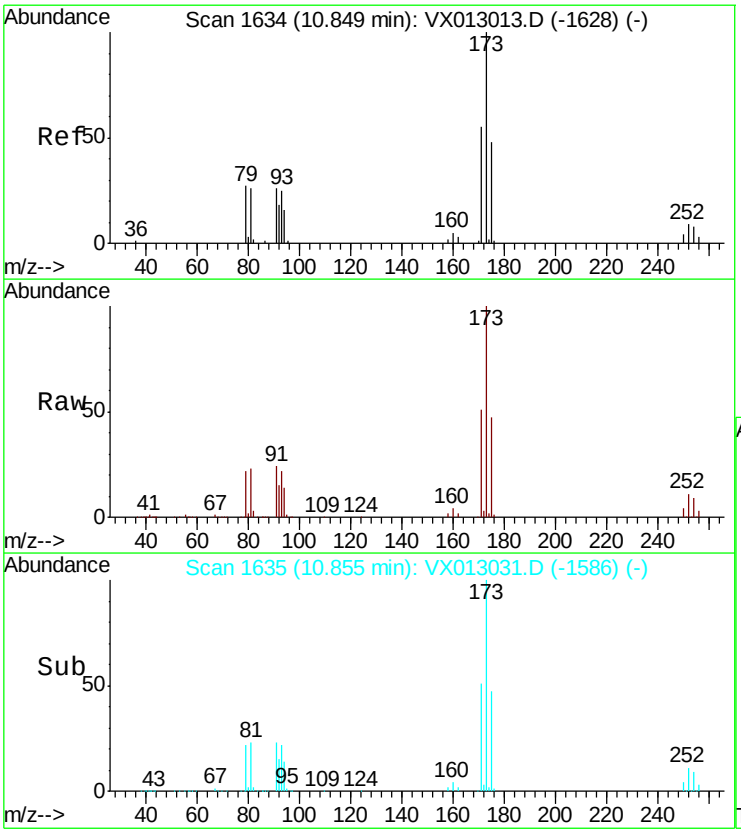
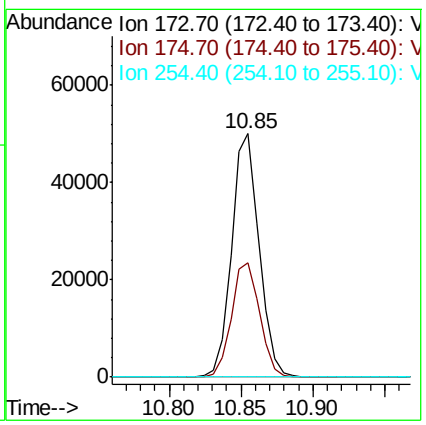


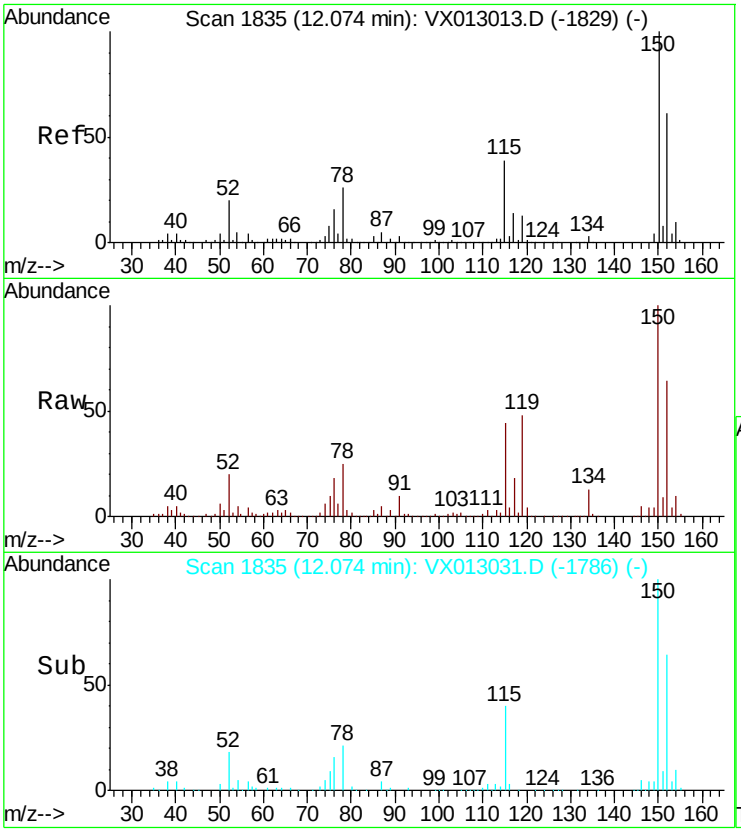




#71
Bromoform
Concen: 46.905 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion:173 Resp: 66454

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.5 | 24.1 | 72.3 |
| 254 | 0.2 | 0.1 | 0.1# |

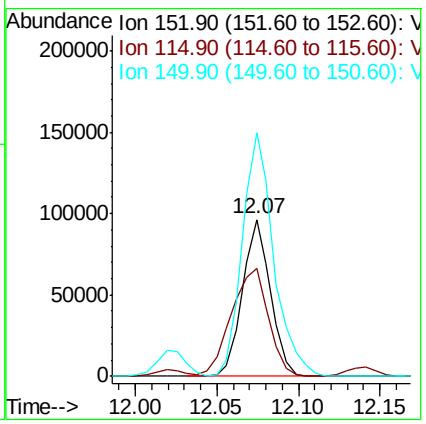





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion:152 Resp: 115144

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 90.2 | 44.5 | 133.5 |
| 150 | 174.8 | 0.0 | 353.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
FA19-JMW3202MSD

**Manual Integrations APPROVED**
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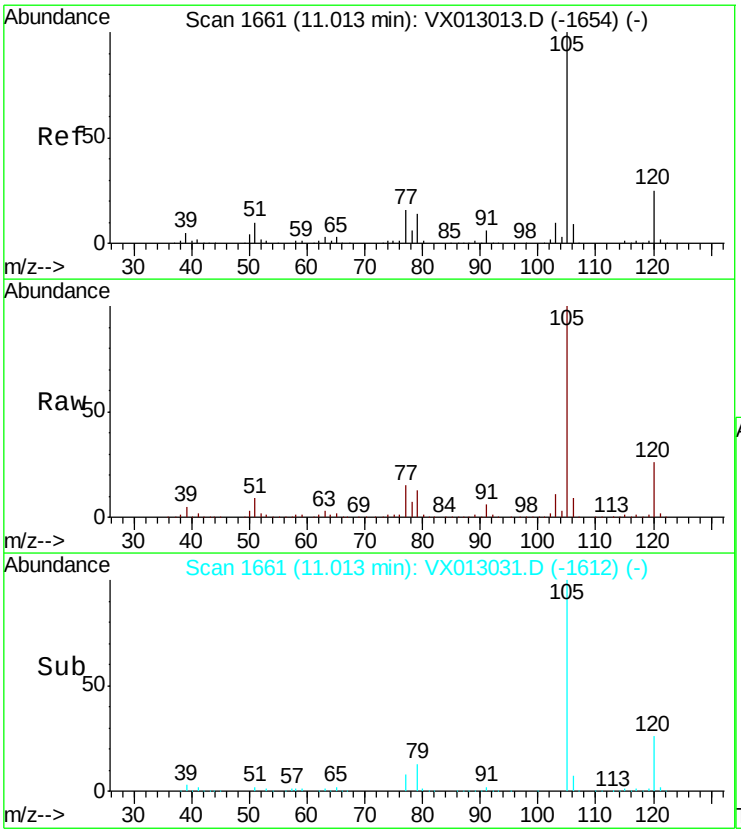
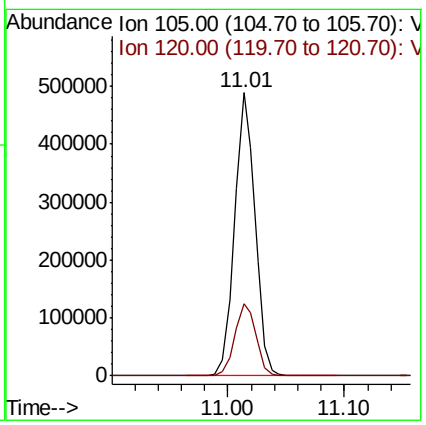
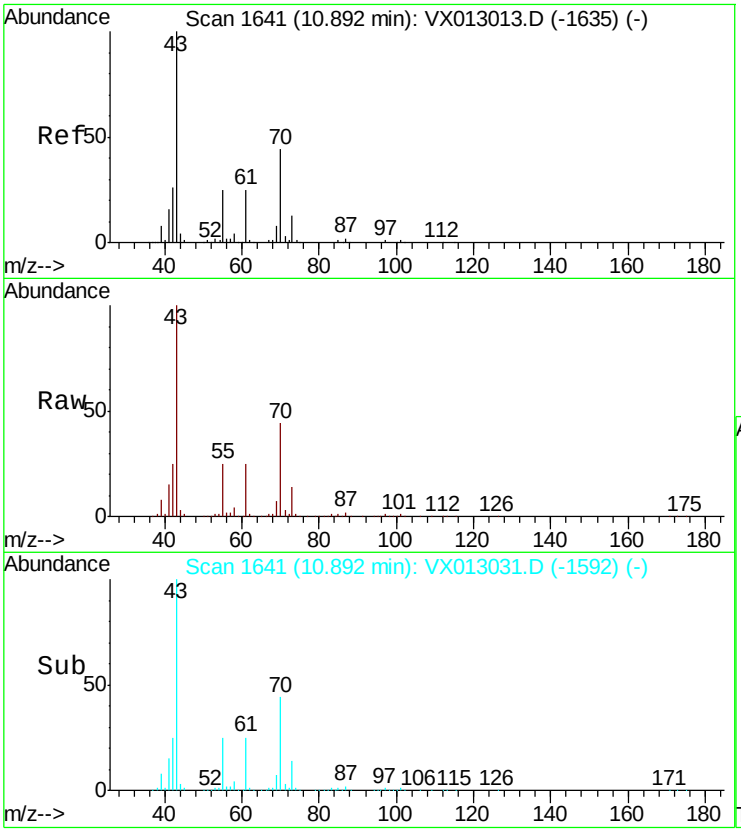



#73
Isopropylbenzene
Concen: 70.679 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion:105 Resp: 598340

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.2 | 13.0 | 39.0 |

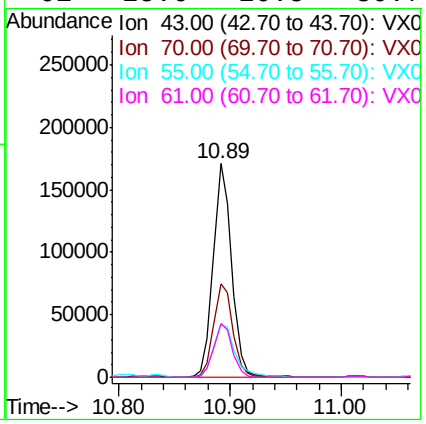





#74
N-amyl acetate
Concen: 53.588 ug/l
RT: 10.89 min Scan# 1641
Delta R.T. 0.00 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion: 43 Resp: 195379

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 46.0 | 36.4 | 54.6 |
| 55 | 28.6 | 20.2 | 30.2 |
| 61 | 25.6 | 20.5 | 30.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
FA19-JMW3202MSD

**Manual Integrations APPROVED**
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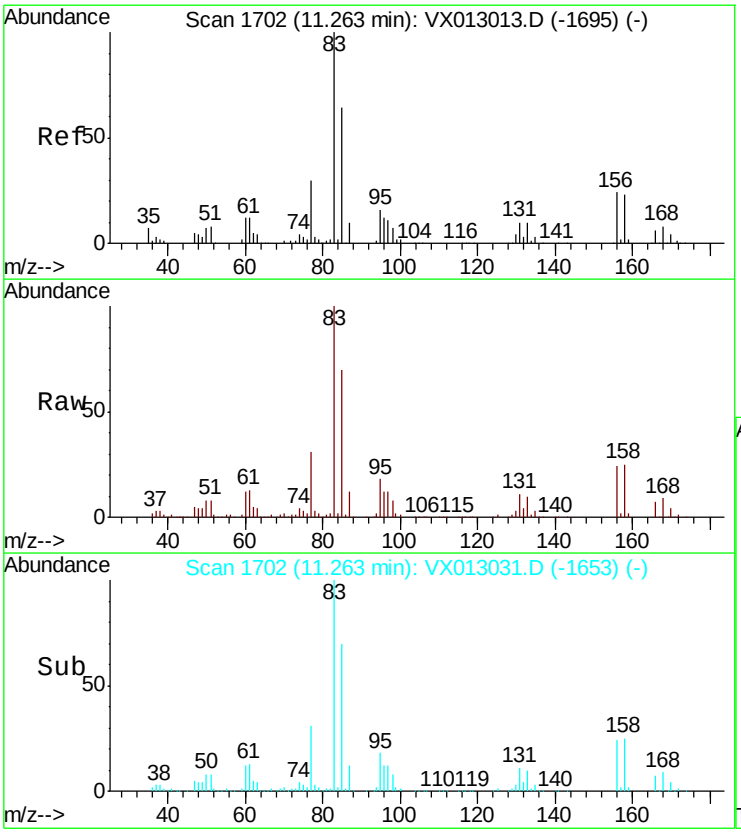
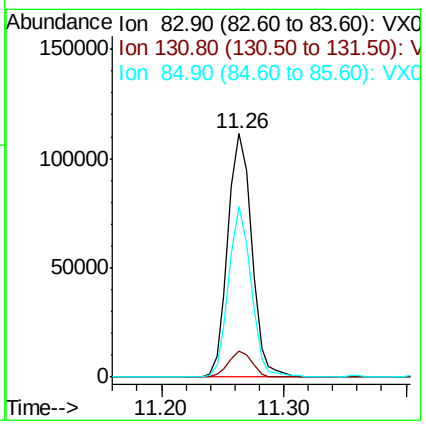
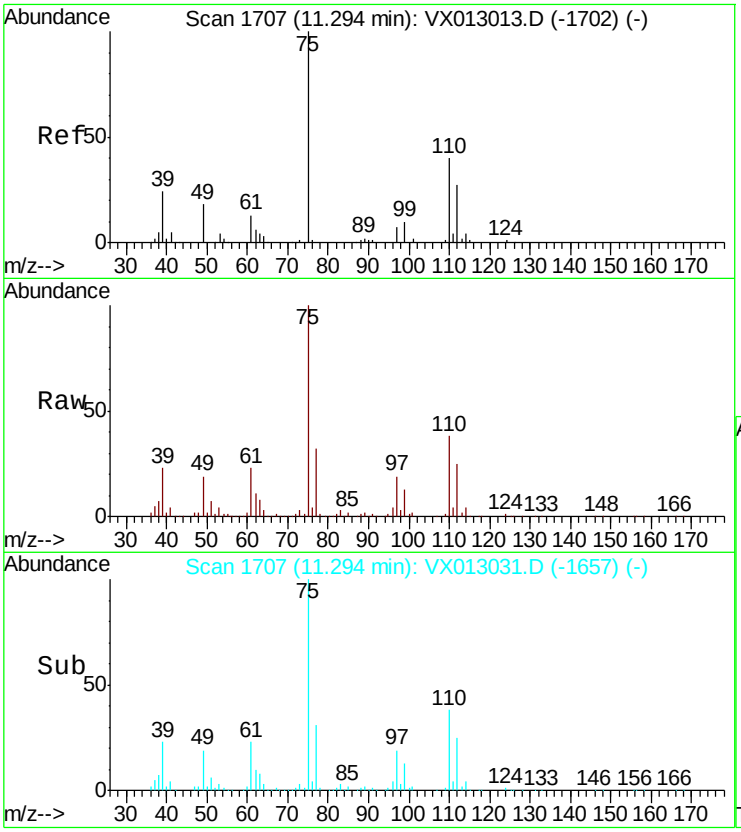



#75
1,1,2,2-Tetrachloroethane
Concen: 53.396 ug/l
RT: 11.26 min Scan# 1702
Delta R.T. 0.00 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion: 83 Resp: 150345

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.3 | 5.1 | 15.3 |
| 85 | 66.1 | 32.1 | 96.5 |






#76
1,2,3-Trichloropropane
Concen: 54.793 ug/l m
RT: 11.29 min Scan# 1707
Delta R.T. 0.01 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion: 75 Resp: 139935

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 37.4 | 22.9 | 68.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
FA19-JMW3202MSD

**Manual Integrations APPROVED**
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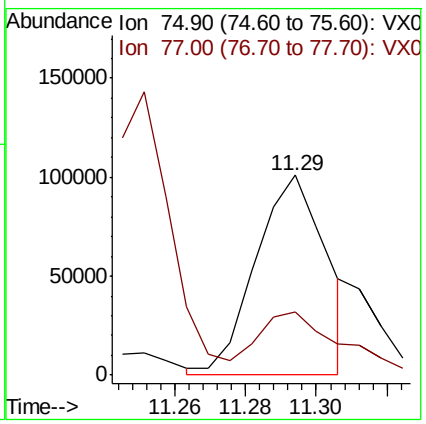
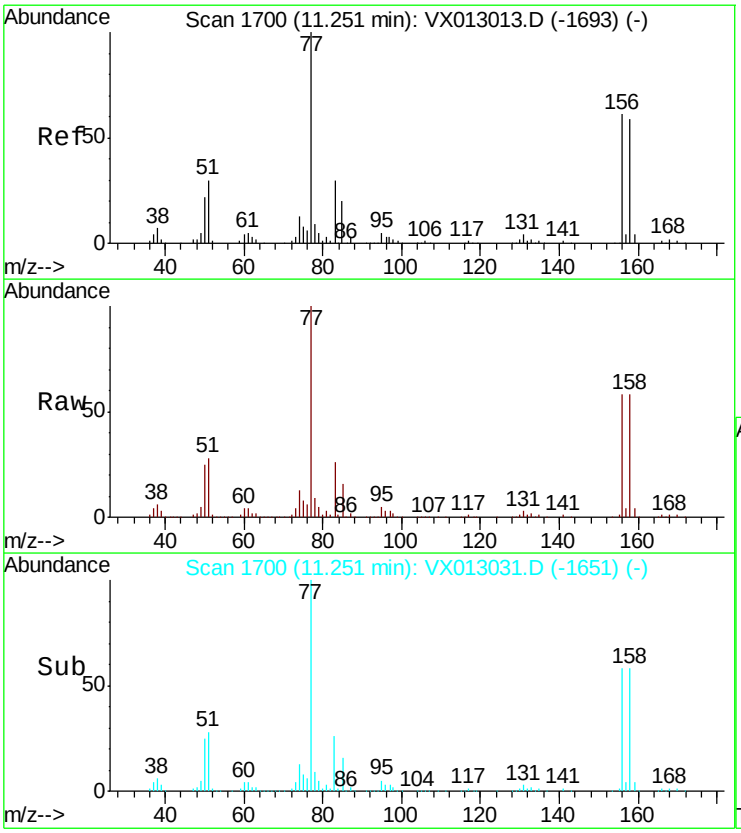
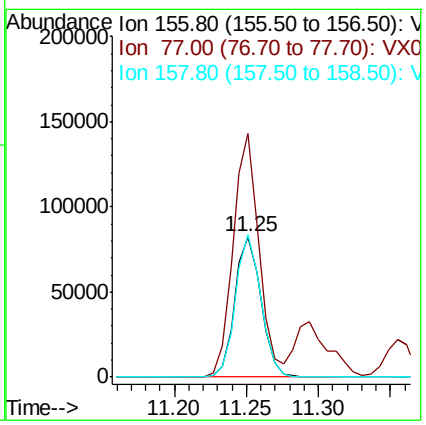


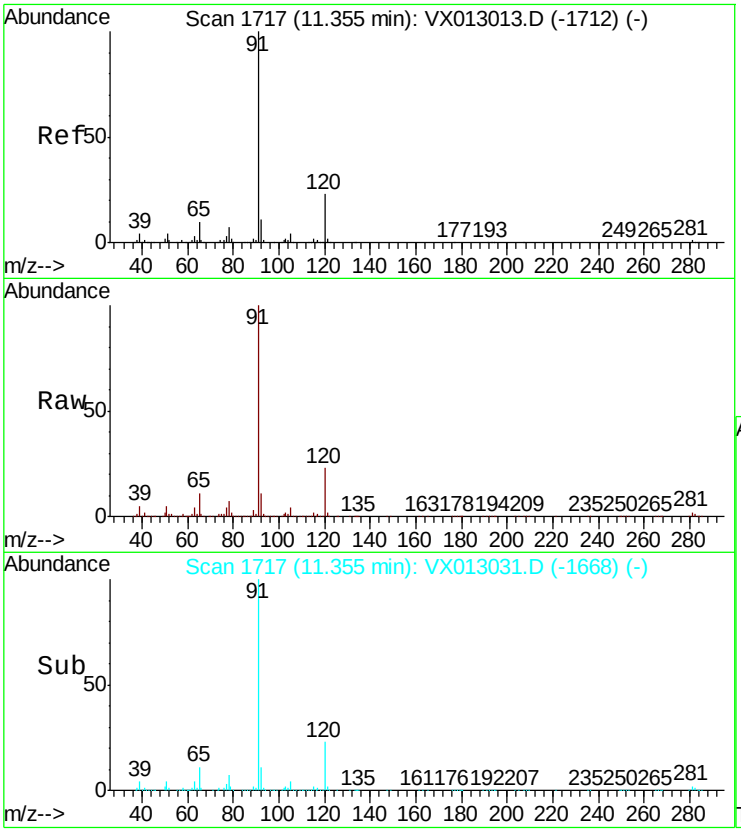




#77
Bromobenzene
Concen: 52.213 ug/l
RT: 11.25 min Scan# 1700
Delta R.T. 0.00 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion:156 Resp: 104160

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 172.9 | 83.7 | 251.0 |
| 158 | 99.2 | 48.6 | 145.9 |






#78
n-propylbenzene
Concen: 72.931 ug/l
RT: 11.35 min Scan# 1717
Delta R.T. 0.00 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion: 91 Resp: 679377

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 23.8 | 11.7 | 35.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
FA19-JMW3202MSD

**Manual Integrations APPROVED**
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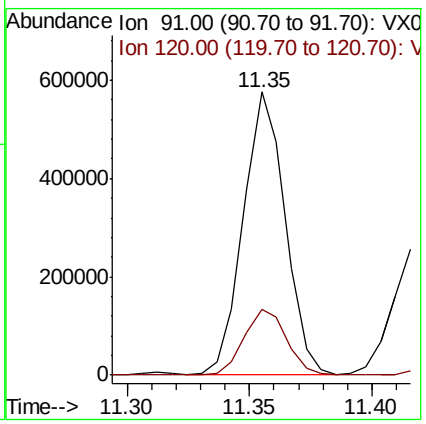
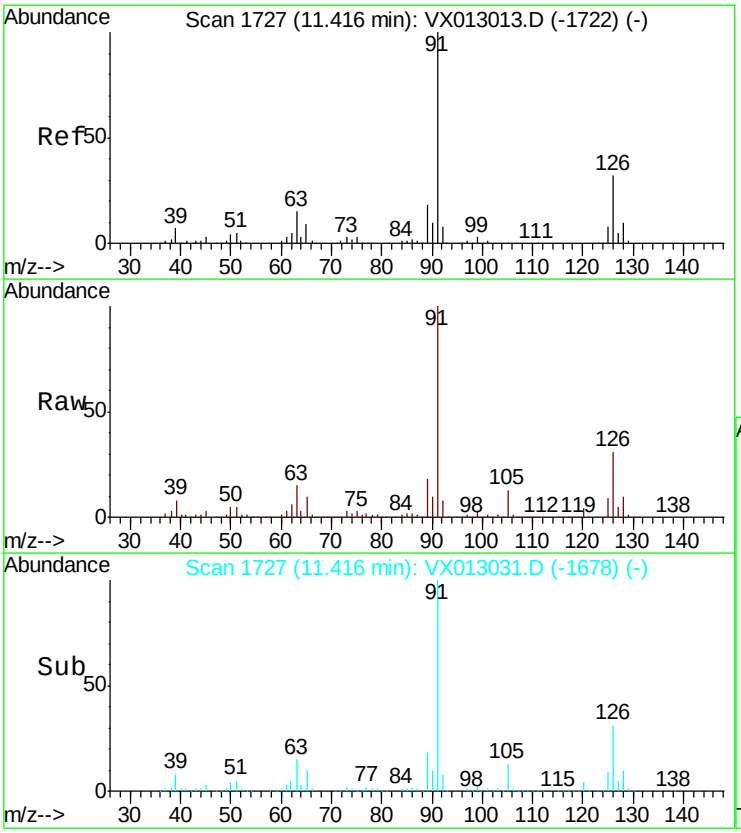
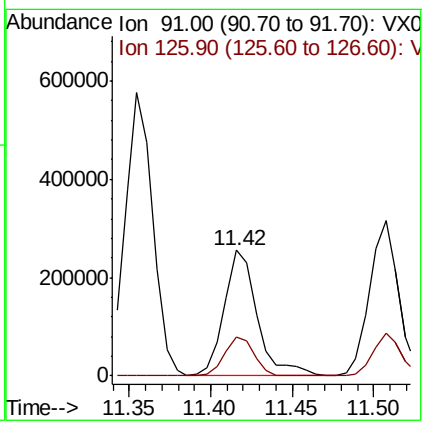


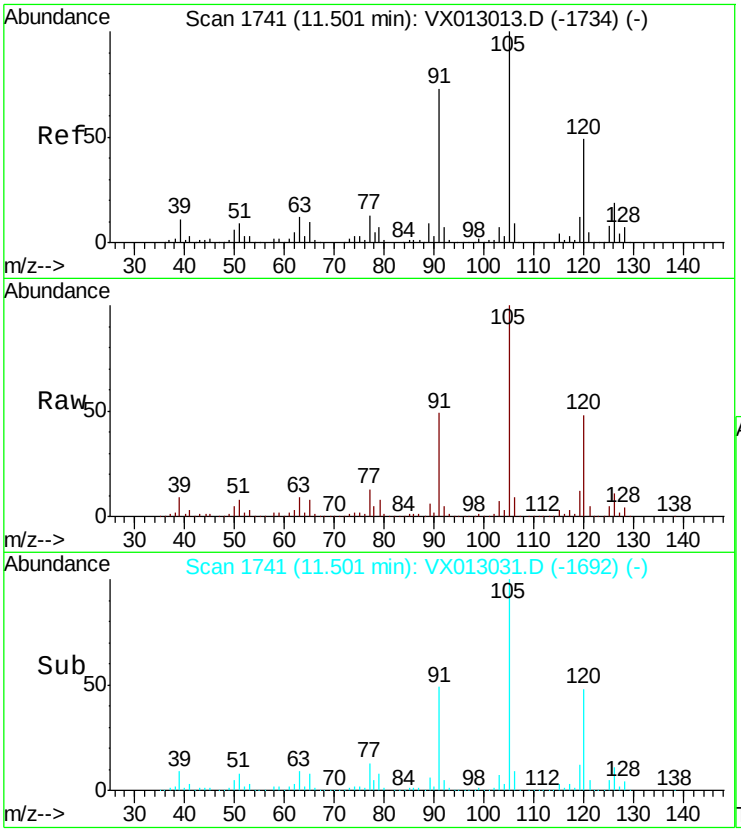




#79
2-Chlorotoluene
Concen: 60.660 ug/l
RT: 11.42 min Scan# 1727
Delta R.T. 0.00 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion: 91 Resp: 355127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 27.8 | 16.3 | 48.8 |






#80
1,3,5-Trimethylbenzene
Concen: 86.880 ug/l
RT: 11.50 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion:105 Resp: 614135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.4 | 24.8 | 74.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
FA19-JMW3202MSD

**Manual Integrations APPROVED**
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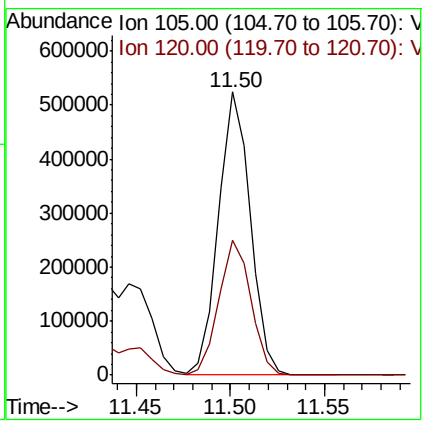
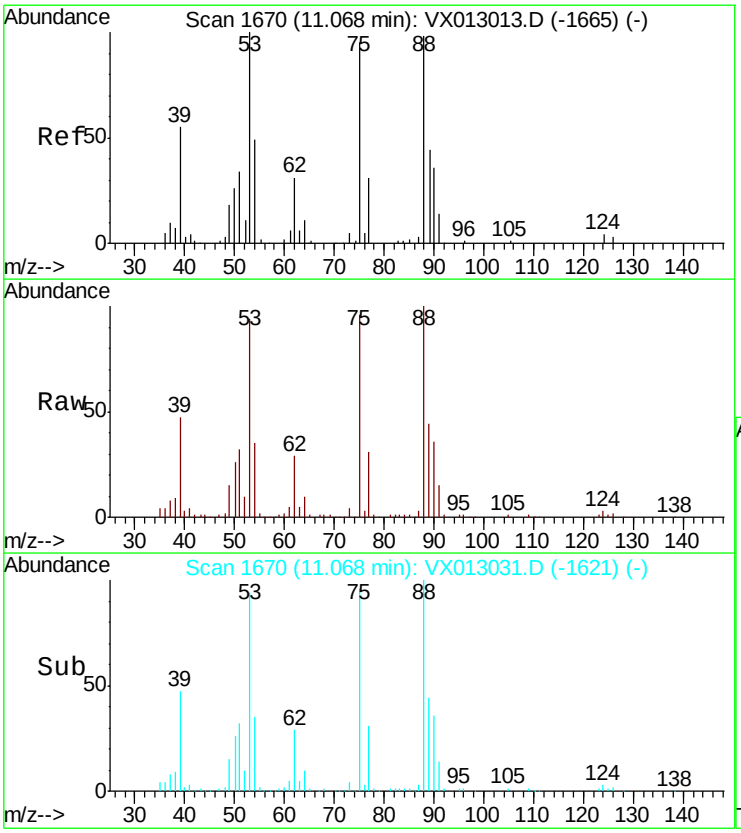
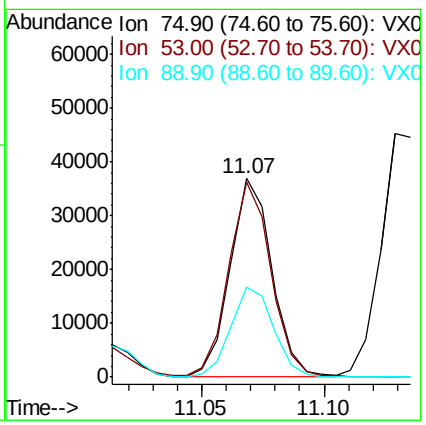


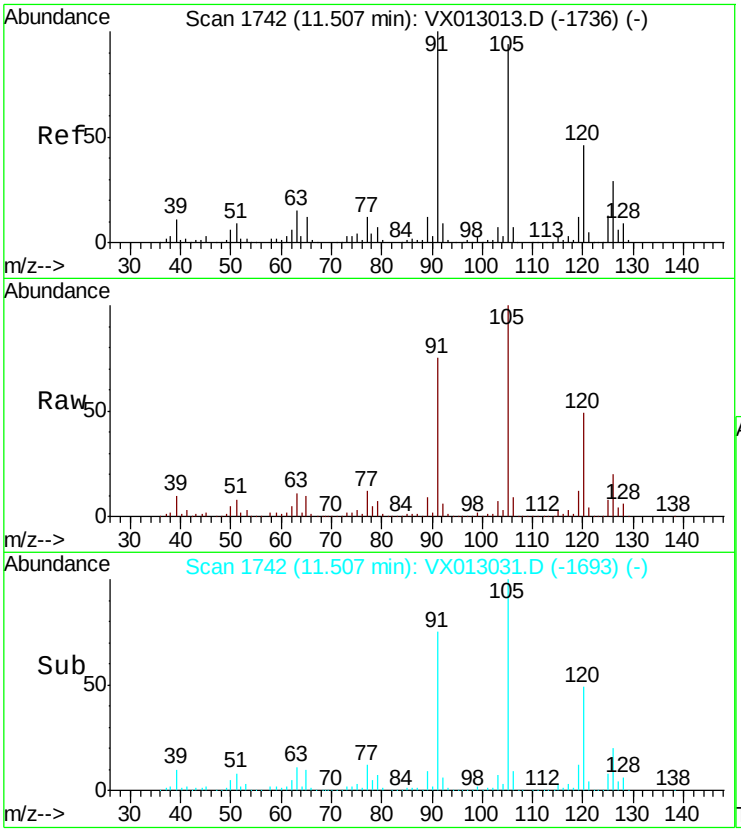




#81
trans-1,4-Dichloro-2-butene
Concen: 44.204 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion: 75 Resp: 43389

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 99.6 | 78.5 | 117.7 |
| 89 | 47.0 | 37.4 | 56.2 |

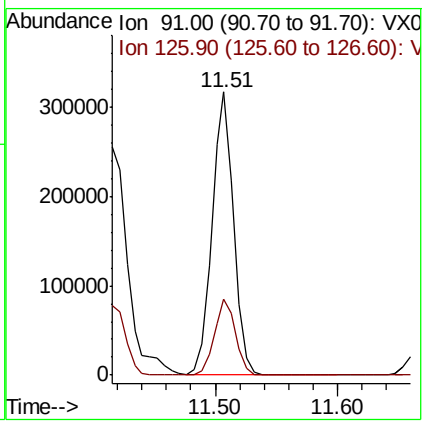





#82
4-Chlorotoluene
Concen: 57.795 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion: 91 Resp: 387816

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 26.4 | 14.2 | 42.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
FA19-JMW3202MSD

**Manual Integrations APPROVED**
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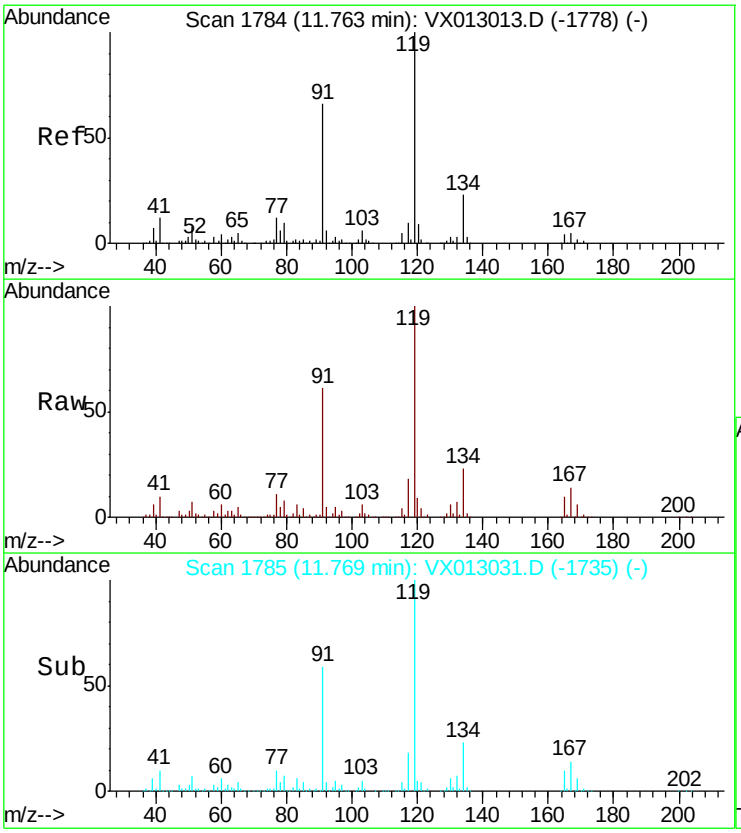
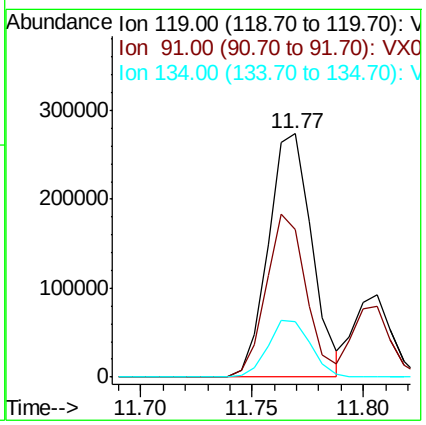
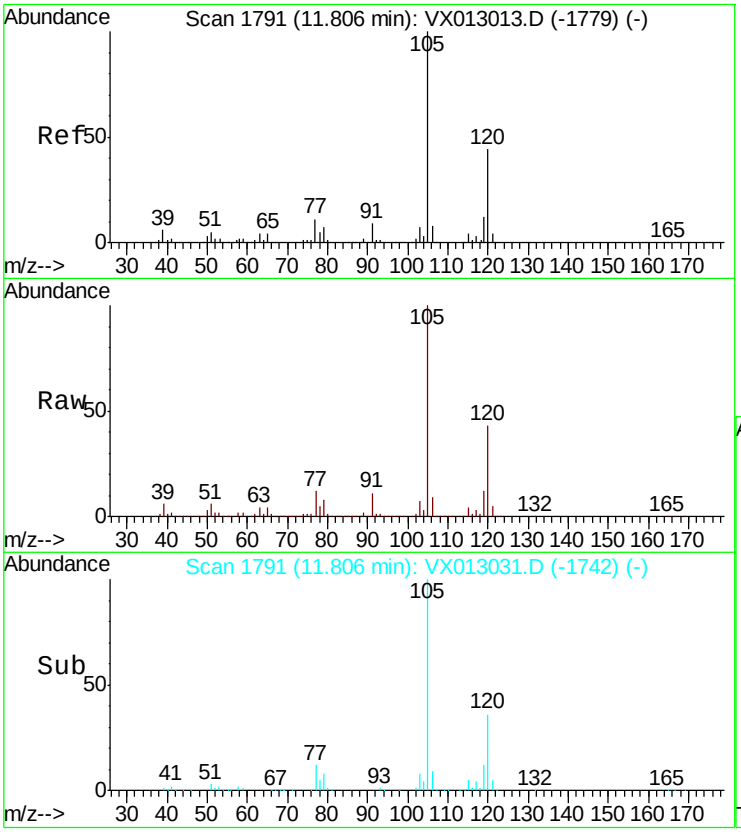



#83
tert-Butylbenzene
Concen: 53.893 ug/l
RT: 11.77 min Scan# 1785
Delta R.T. 0.01 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion:119 Resp: 371618

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 61.9 | 29.3 | 87.9 |
| 134 | 22.9 | 11.5 | 34.4 |






#84
1,2,4-Trimethylbenzene
Concen: 130.275 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. 0.00 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion:105 Resp: 932651

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.8 | 21.8 | 65.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
FA19-JMW3202MSD

**Manual Integrations APPROVED**
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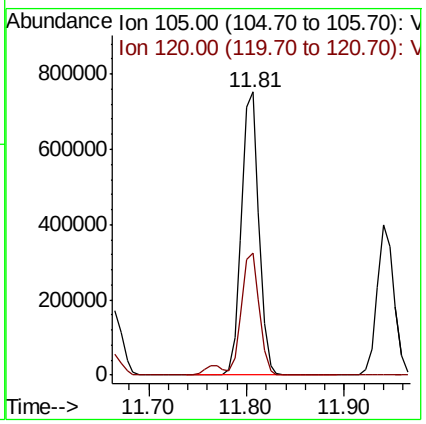
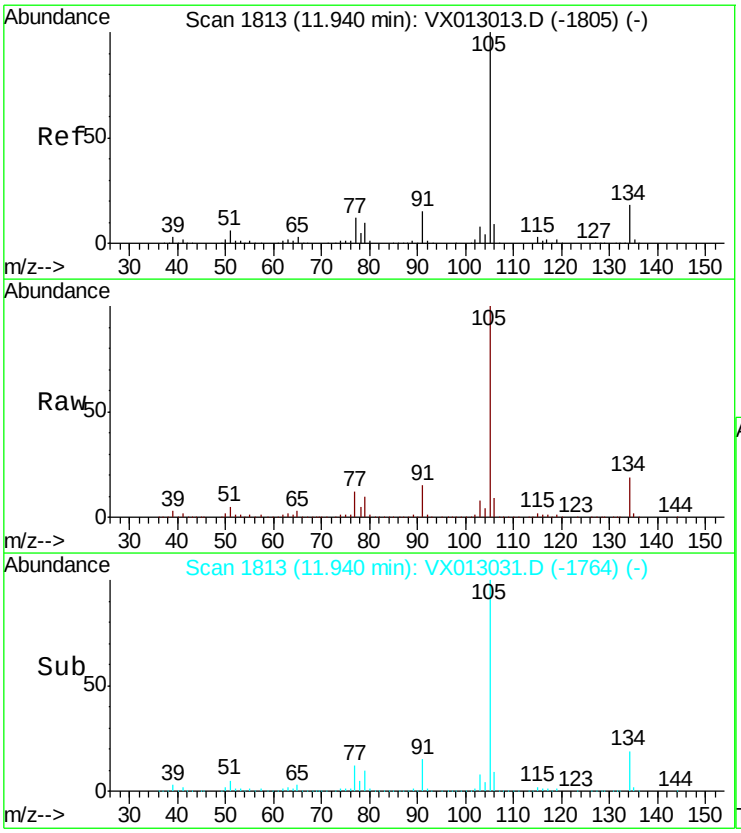
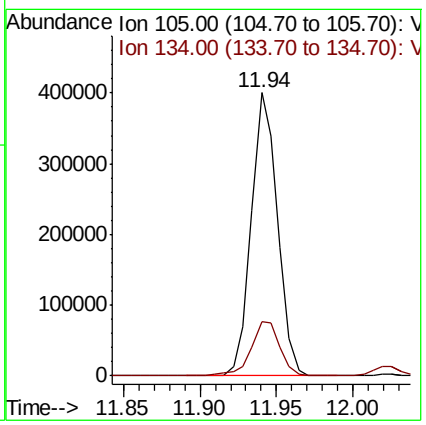


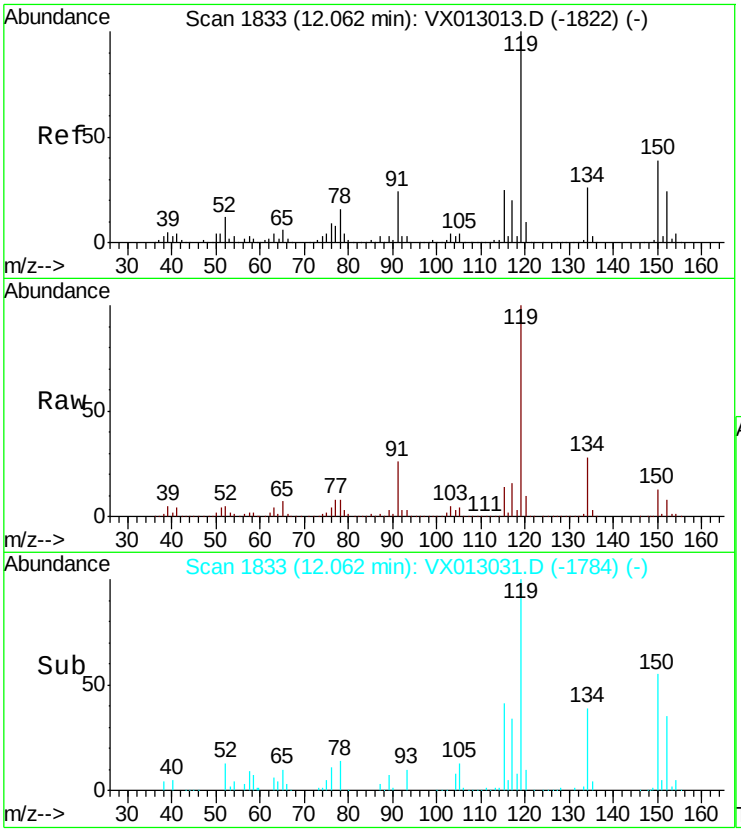




#85
sec-Butylbenzene
Concen: 59.682 ug/l
RT: 11.94 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion:105 Resp: 476788

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 21.1 | 10.0 | 30.0 |

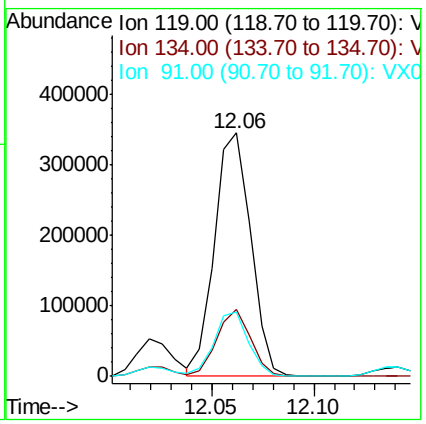





#86
p-Isopropyltoluene
Concen: 57.649 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion:119 Resp: 427128

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.9 | 12.6 | 37.8 |
| 91 | 25.2 | 12.4 | 37.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
FA19-JMW3202MSD

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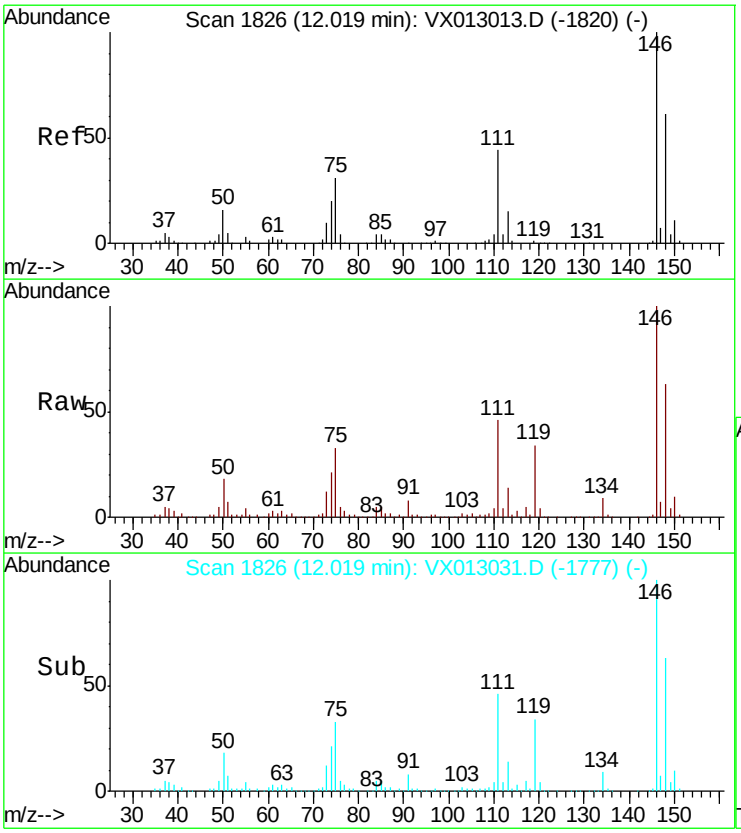
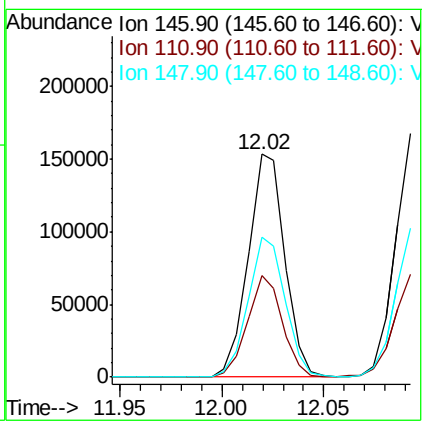
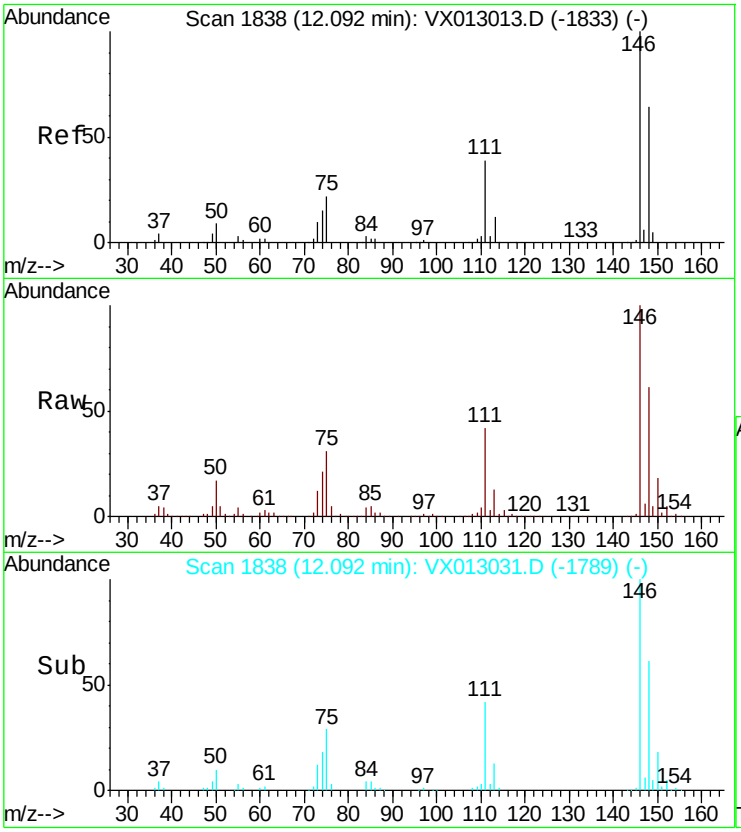



#87
1,3-Dichlorobenzene
Concen: 51.831 ug/l
RT: 12.02 min Scan# 1826
Delta R.T. 0.00 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion:146 Resp: 192009

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.8 | 21.1 | 63.4 |
| 148 | 63.4 | 31.6 | 95.0 |

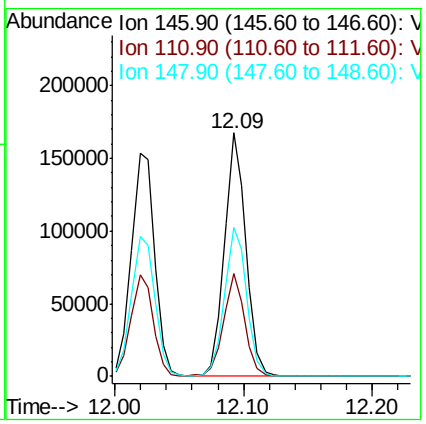





#88
1,4-Dichlorobenzene
Concen: 52.073 ug/l
RT: 12.09 min Scan# 1838
Delta R.T. 0.00 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion:146 Resp: 195368

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.5 | 21.4 | 64.3 |
| 148 | 63.4 | 32.1 | 96.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
FA19-JMW3202MSD

**Manual Integrations APPROVED**
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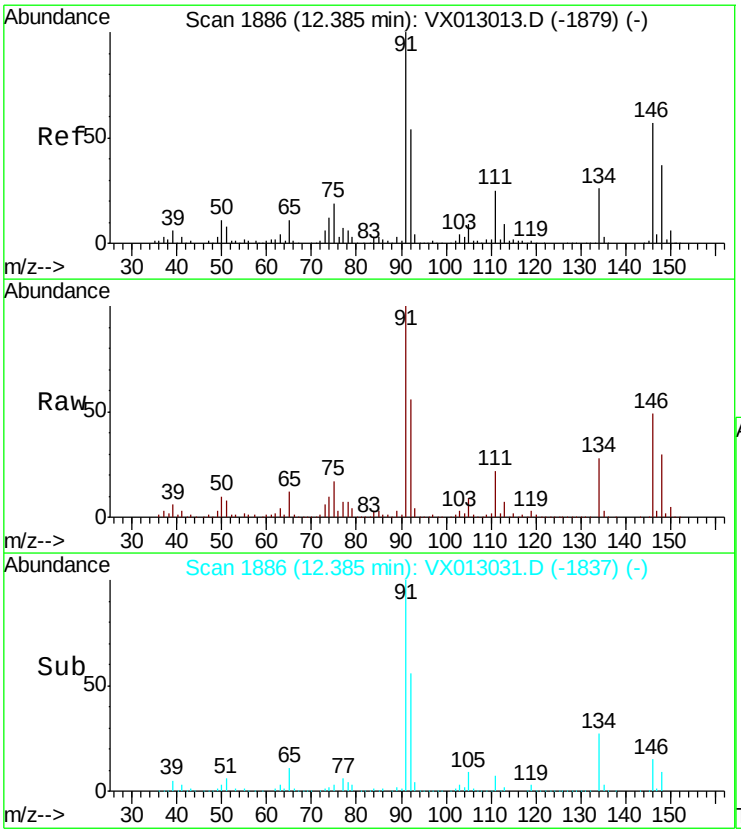
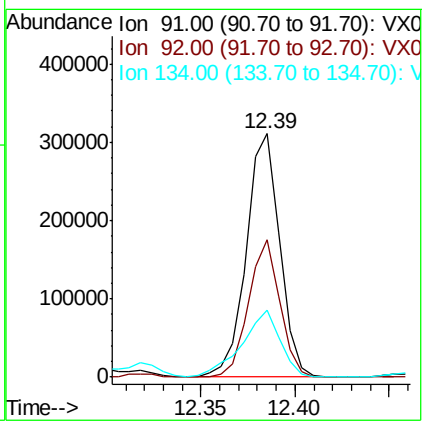
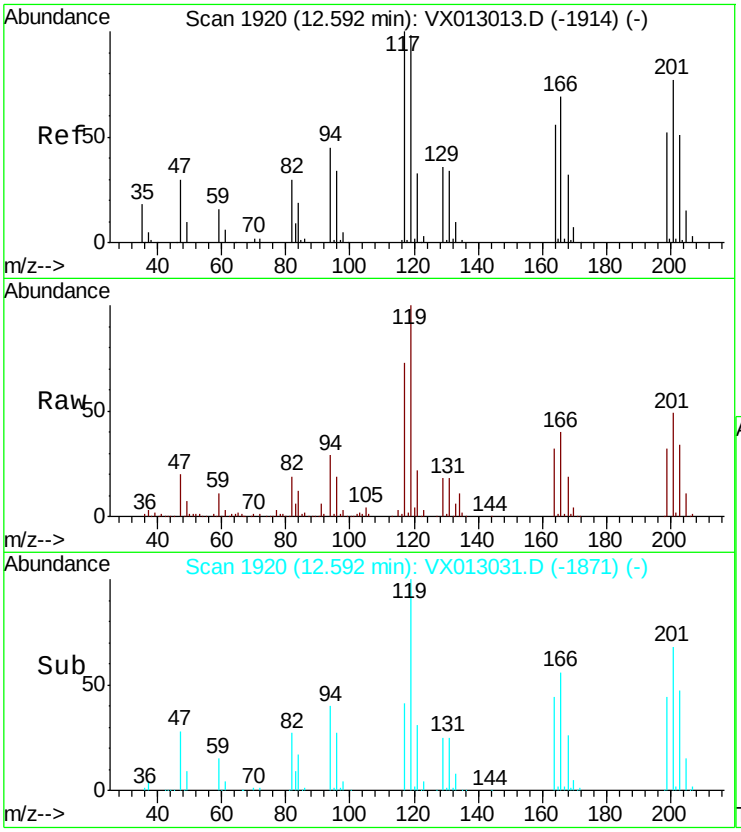



#89
n-Butylbenzene
Concen: 61.216 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion: 91 Resp: 381195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.9 | 27.5 | 82.5 |
| 134 | 31.9 | 12.9 | 38.7 |






#90
Hexachloroethane
Concen: 53.681 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion:117 Resp: 73888

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 64.2 | 36.9 | 110.7 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
FA19-JMW3202MSD

**Manual Integrations APPROVED**
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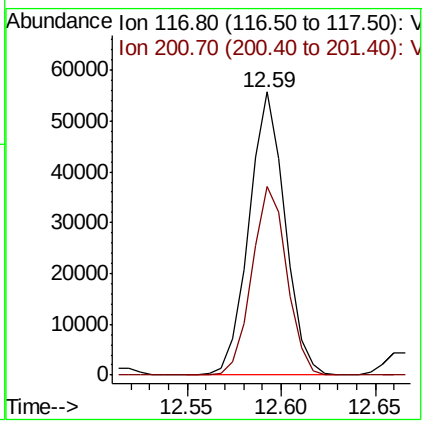
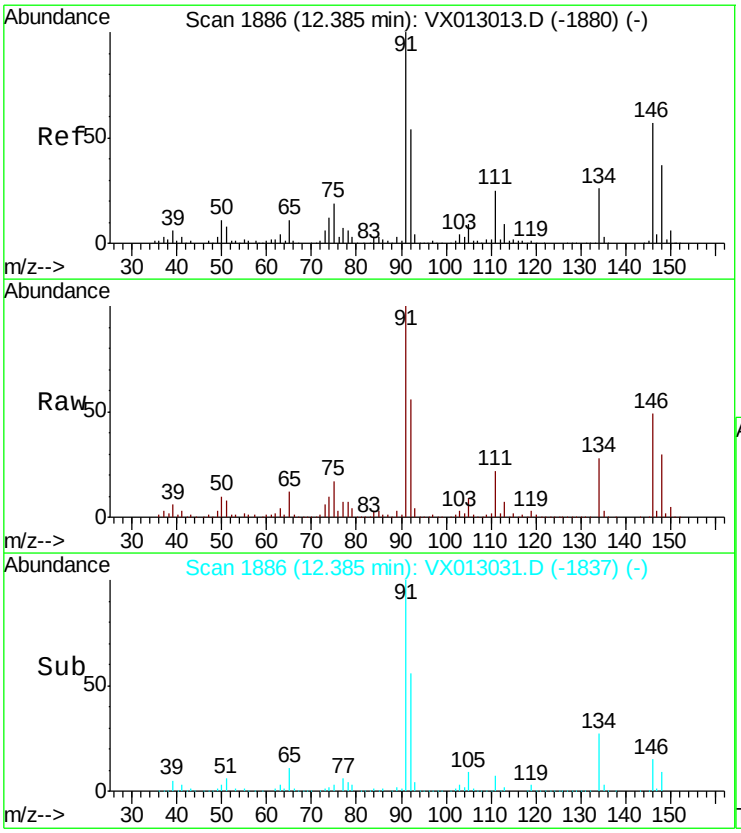
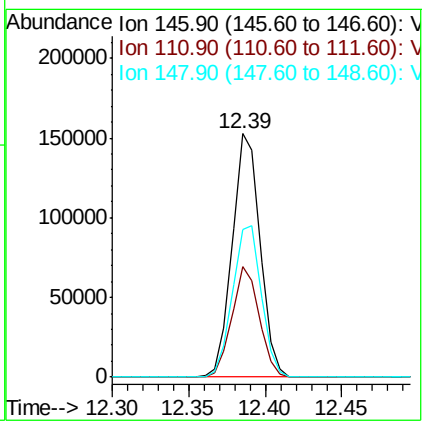


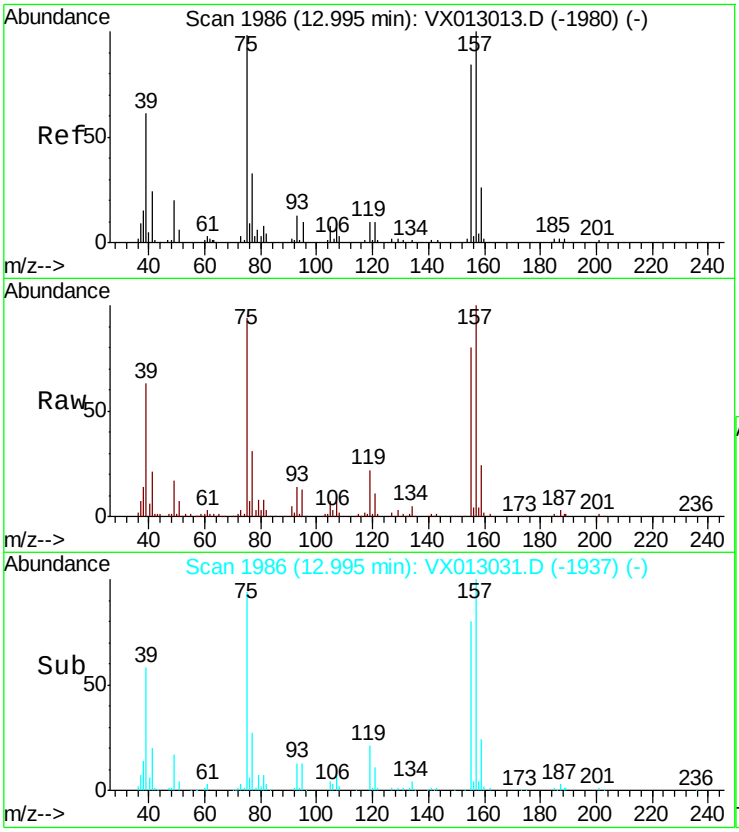




#91
1,2-Dichlorobenzene
Concen: 52.989 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion:146 Resp: 192443

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 44.6 | 22.7 | 68.0 |
| 148 | 64.5 | 31.6 | 94.7 |






#92
1,2-Dibromo-3-Chloropropane
Concen: 55.950 ug/l
RT: 12.99 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion: 75 Resp: 36924

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 82.9 | 43.0 | 128.8 |
| 157 | 107.2 | 54.1 | 162.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
FA19-JMW3202MSD

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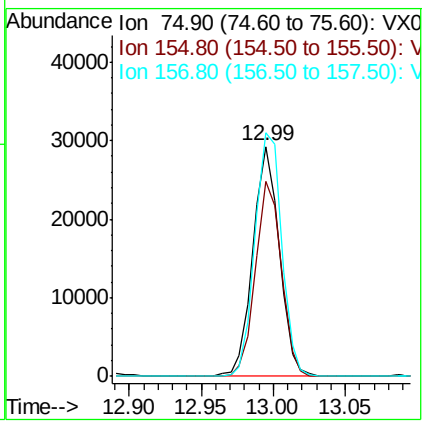
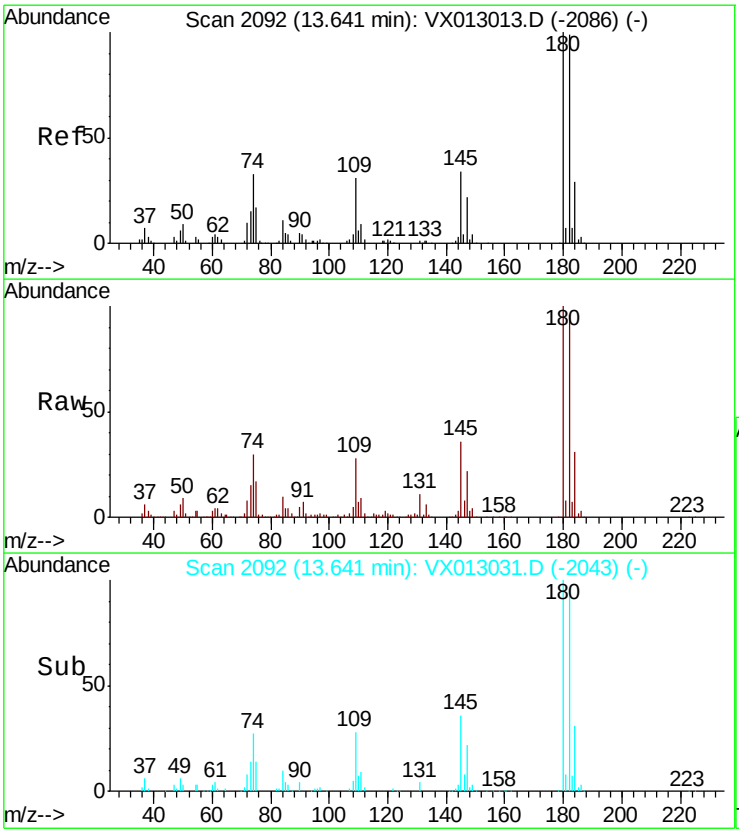
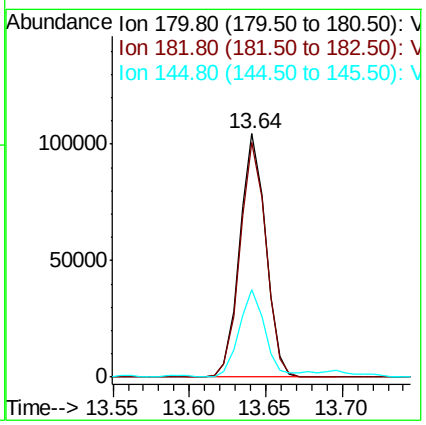


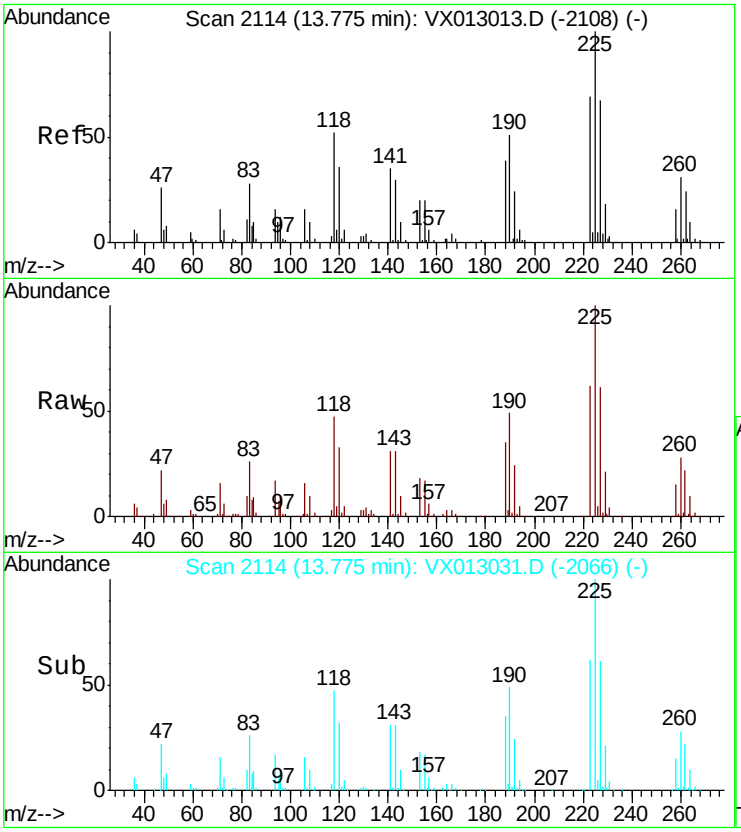




#93
1,2,4-Trichlorobenzene
Concen: 54.039 ug/l
RT: 13.64 min Scan# 2092
Delta R.T. 0.00 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion:180 Resp: 122940

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.5 | 46.8 | 140.4 |
| 145 | 35.7 | 16.2 | 48.6 |

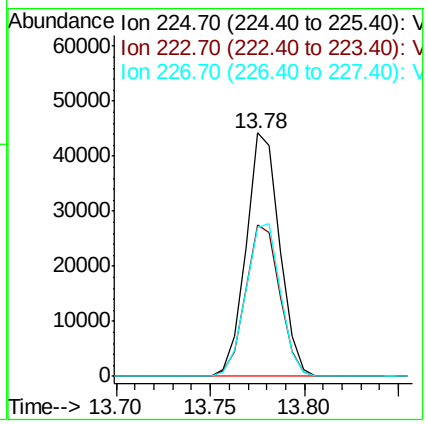





#94
Hexachlorobutadiene
Concen: 51.920 ug/l
RT: 13.78 min Scan# 2114
Delta R.T. -0.01 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion:225 Resp: 54513

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.5 | 31.1 | 93.2 |
| 227 | 64.6 | 32.3 | 96.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
FA19-JMW3202MSD

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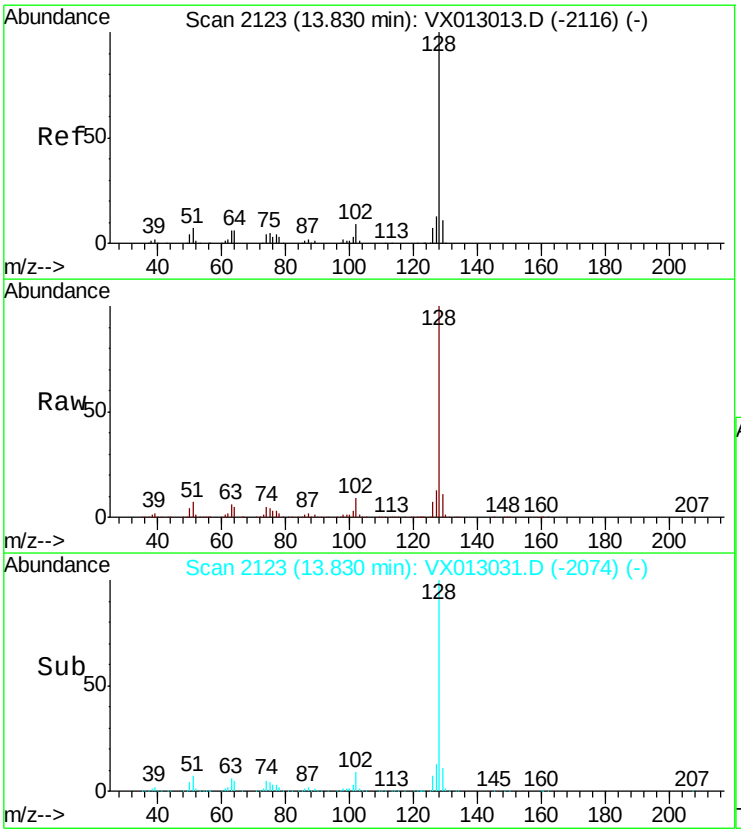
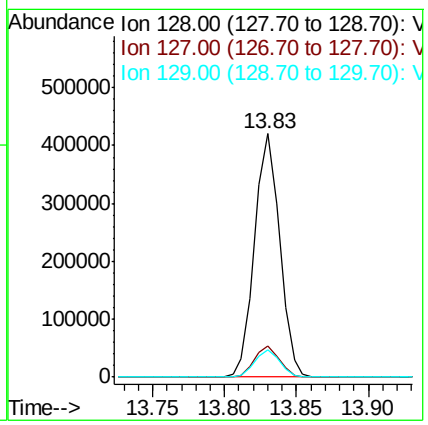
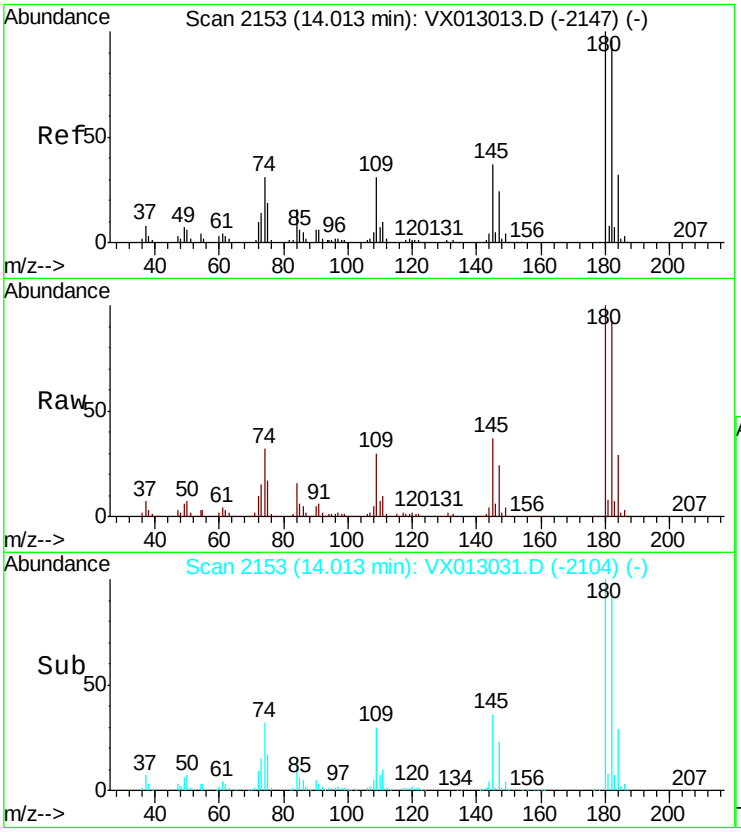



#95
Naphthalene
Concen: 64.122 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion:128 Resp: 505694

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.8 | 10.2 | 15.4 |
| 129 | 11.2 | 8.8 | 13.2 |

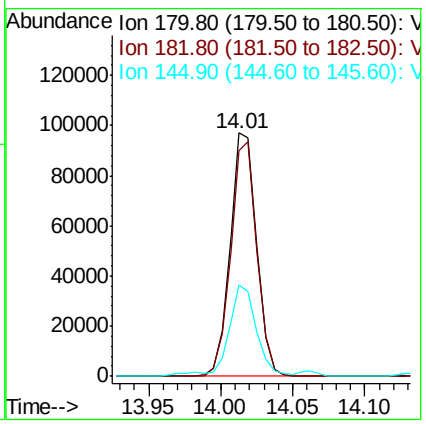





#96
1,2,3-Trichlorobenzene
Concen: 53.158 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX013031.D
Acq: 11 Oct 2019 21:00

Tgt Ion:180 Resp: 124975

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.0 | 47.5 | 142.5 |
| 145 | 39.8 | 17.4 | 52.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
FA19-JMW3202MSD

**Manual Integrations APPROVED**
MMDadoda
10/14/2019 10:39:45 AM