Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX120719\
Data File : VX0137837.D
Acq On : 07 Dec 2019 01:13 pm
Operator : JC/SP
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Dec 09 02:10:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X111119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Nov 12 01:16:13 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Bromochloromethane | 5.00 | 128 | 109989 | 30.00 | ug/l | 0.00 |
| 28) 1,4-Difluorobenzene | 6.85 | 114 | 624377 | 30.00 | ug/l | 0.00 |
| 57) Chlorobenzene-d5 | 10.10 | 117 | 557986 | 30.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 27) 1,2-Dichloroethane-d4 | 6.05 | 65 | 234334 | 28.85 | ug/l | 0.00 |
| Spiked Amount 30.000 | Range 50 - 169 | | Recovery = 96.17% | | | |
| 60) 4-Bromofluorobenzene | 11.13 | 95 | 268095 | 29.89 | ug/l | 0.00 |
| Spiked Amount 30.000 | Range 56 - 143 | | Recovery = 99.63% | | | |
| 63) Toluene-d8 | 8.71 | 98 | 757214 | 30.01 | ug/l | 0.00 |
| Spiked Amount 30.000 | Range 66 - 137 | | Recovery = 100.03% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.19 | 85 | 155537 | 18.874 | ug/l | 100 |
| 3) Chloromethane | 1.32 | 50 | 167220 | 18.618 | ug/l | 100 |
| 4) Vinyl Chloride | 1.40 | 62 | 192303 | 18.843 | ug/l | 98 |
| 5) Bromomethane | 1.64 | 94 | 101586 | 16.558 | ug/l | 99 |
| 6) Chloroethane | 1.72 | 64 | 103000 | 18.360 | ug/l | 99 |
| 7) Trichlorofluoromethane | 1.92 | 101 | 206774 | 18.820 | ug/l | 98 |
| 8) Diethyl Ether | 2.18 | 74 | 92118 | 18.363 | ug/l | 97 |
| 9) 1,1,2-Trichlorotrifluoroet | 2.37 | 101 | 128959 | 19.509 | ug/l | 100 |
| 10) 1,1-Dichloroethene | 2.37 | 96 | 124044 | 18.261 | ug/l | 95 |
| 11) Methyl Iodide | 2.50 | 142 | 134348 | 16.017 | ug/l | 98 |
| 12) Methyl Acetate | 2.76 | 43 | 205513 | 17.266 | ug/l | 97 |
| 13) Acrolein | 2.28 | 56 | 113402 | 89.690 | ug/l | 99 |
| 14) Acrylonitrile | 3.13 | 53 | 360842 | 82.439 | ug/l | 99 |
| 15) Acetone | 2.43 | 58 | 134604 | 101.536 | ug/l | 96 |
| 16) Carbon Disulfide | 2.56 | 76 | 336785 | 17.775 | ug/l | 100 |
| 17) Allyl chloride | 2.72 | 41 | 223667 | 17.880 | ug/l | 98 |
| 18) Methylene Chloride | 2.85 | 84 | 147379 | 19.122 | ug/l | 97 |
| 19) trans-1,2-Dichloroethene | 3.15 | 96 | 135289 | 18.635 | ug/l | 98 |
| 20) Diisopropyl ether | 3.84 | 45 | 453400 | 18.839 | ug/l # | 83 |
| 21) 1,1-Dichloroethane | 3.69 | 63 | 242738 | 18.518 | ug/l | 96 |
| 22) cis-1,2-Dichloroethene | 4.58 | 96 | 155417 | 18.777 | ug/l | 97 |
| 23) tert-Butyl Alcohol | 3.03 | 59 | 154150 | 73.180 | ug/l | 100 |
| 24) Methyl tert-Butyl Ether | 3.18 | 73 | 411616 | 18.309 | ug/l | 100 |
| 25) Chloroform | 5.19 | 83 | 240194 | 18.720 | ug/l | 93 |
| 26) Cyclohexane | 5.56 | 56 | 223329 | 18.761 | ug/l # | 99 |
| 29) 1,1-Dichloropropene | 5.79 | 75 | 185595 | 19.461 | ug/l | 97 |
| 30) 2-Butanone | 4.65 | 43 | 561515 | 89.204 | ug/l | 99 |
| 31) 2,2-Dichloropropane | 4.57 | 77 | 198766 | 19.245 | ug/l | 100 |
| 32) 1,1,1-Trichloroethane | 5.48 | 97 | 201776 | 19.035 | ug/l | 98 |
| 33) Carbon Tetrachloride | 5.78 | 117 | 170375 | 18.505 | ug/l | 98 |
| 34) Benzene | 6.13 | 78 | 556482 | 19.238 | ug/l | 98 |
| 35) Methacrylonitrile | 5.03 | 41 | 112572 | 17.908 | ug/l | 95 |
| 36) 1,2-Dichloroethane | 6.18 | 62 | 191513 | 18.915 | ug/l | 100 |
| 37) Trichloroethene | 7.20 | 130 | 149263 | 19.261 | ug/l | 99 |
| 38) Methylcyclohexane | 7.46 | 83 | 227815 | 19.482 | ug/l | 98 |
| 39) 1,2-Dichloropropane | 7.50 | 63 | 143005 | 19.120 | ug/l | 97 |
| 40) Dibromomethane | 7.65 | 93 | 91486 | 18.380 | ug/l | 99 |

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX120719\
Data File : VX0137837.D
Acq On : 07 Dec 2019 01:13 pm
Operator : JC/SP
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Dec 09 02:10:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X111119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Nov 12 01:16:13 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 41) Bromodichloromethane | 7.89 | 83 | 179363 | 18.459 ug/l | 99 |
| 42) Vinyl Acetate | 3.80 | 43 | 1808442 | 91.252 ug/l | 100 |
| 43) Ethyl Acetate | 4.81 | 43 | 194665 | 16.956 ug/l | 96 |
| 44) Isopropyl Acetate | 6.43 | 43 | 324703 | 17.595 ug/l | 99 |
| 45) 1,4-Dioxane | 7.73 | 88 | 64728 | 317.686 ug/l | 98 |
| 46) Methyl methacrylate | 7.76 | 41 | 164081 | 17.874 ug/l | 97 |
| 47) n-amyl Acetate | 10.89 | 43 | 279280 | 17.253 ug/l | 100 |
| 48) t-1,3-Dichloropropene | 9.03 | 75 | 196700 | 18.053 ug/l | 100 |
| 49) cis-1,3-Dichloropropene | 8.43 | 75 | 222477 | 18.634 ug/l | 99 |
| 50) 1,1,2-Trichloroethane | 9.21 | 97 | 138813 | 18.846 ug/l | 98 |
| 51) Ethyl methacrylate | 9.17 | 69 | 219377 | 18.089 ug/l | 97 |
| 52) 1,3-Dichloropropane | 9.37 | 76 | 239056 | 18.985 ug/l | 98 |
| 53) Dibromochloromethane | 9.57 | 129 | 144789 | 18.547 ug/l | 98 |
| 54) 1,2-Dibromoethane | 9.67 | 107 | 146080 | 18.547 ug/l | 97 |
| 55) 2-Chloroethyl vinyl ether | 8.30 | 63 | 357219 | 68.937 ug/l | 99 |
| 56) Bromoform | 10.85 | 173 | 105527 | 16.986 ug/l | 98 |
| 58) 4-Methyl-2-Pentanone | 8.63 | 43 | 1019161 | 87.433 ug/l | 100 |
| 59) 2-Hexanone | 9.48 | 43 | 793680 | 86.055 ug/l | 99 |
| 61) Tetrachloroethene | 9.33 | 164 | 140377 | 20.402 ug/l | 93 |
| 62) Toluene | 8.78 | 91 | 592210 | 19.054 ug/l | 99 |
| 64) Chlorobenzene | 10.14 | 112 | 377060 | 19.403 ug/l | 100 |
| 65) 1,1,1,2-Tetrachloroethane | 10.21 | 131 | 136386 | 18.749 ug/l | 100 |
| 66) Ethyl Benzene | 10.25 | 91 | 665466 | 19.489 ug/l | 100 |
| 67) m/p-Xylenes | 10.35 | 106 | 509556 | 38.687 ug/l | 99 |
| 68) o-Xylene | 10.70 | 106 | 245593 | 19.321 ug/l | 97 |
| 69) Styrene | 10.71 | 104 | 413049 | 19.029 ug/l | 99 |
| 70) Isopropylbenzene | 11.01 | 105 | 647890 | 19.343 ug/l | 99 |
| 71) 1,1,2,2-Tetrachloroethane | 11.26 | 83 | 216551 | 18.056 ug/l | 99 |
| 72) 1,2,3-Trichloropropane | 11.29 | 75 | 235015 | 23.208 ug/l | 80 |
| 73) Bromobenzene | 11.25 | 156 | 166725 | 18.875 ug/l | 99 |
| 74) n-propylbenzene | 11.35 | 91 | 744850 | 19.568 ug/l | 100 |
| 75) 2-Chlorotoluene | 11.42 | 91 | 438671 | 19.380 ug/l | 100 |
| 76) 1,3,5-Trimethylbenzene | 11.50 | 105 | 545867 | 19.389 ug/l | 99 |
| 77) t-1,4-Dichloro-2-butene | 11.07 | 75 | 64947 | 15.862 ug/l | 97 |
| 78) 4-Chlorotoluene | 11.51 | 91 | 498174 | 19.209 ug/l | 100 |
| 79) tert-butylbenzene | 11.76 | 119 | 534651 | 18.822 ug/l | 99 |
| 80) 1,2,4-Trimethylbenzene | 11.80 | 105 | 541566 | 19.303 ug/l | 99 |
| 81) sec-Butylbenzene | 11.94 | 105 | 634733 | 19.585 ug/l | 100 |
| 82) p-Isopropyltoluene | 12.06 | 119 | 579006 | 19.390 ug/l | 98 |
| 83) 1,3-Dichlorobenzene | 12.02 | 146 | 297187 | 19.137 ug/l | 99 |
| 84) 1,4-Dichlorobenzene | 12.09 | 146 | 298458 | 19.362 ug/l | 98 |
| 85) n-Butylbenzene | 12.38 | 91 | 497350 | 19.298 ug/l | 99 |
| 86) Hexachloroethane | 12.59 | 117 | 99707 | 18.196 ug/l | 99 |
| 87) 1,2-Dichlorobenzene | 12.38 | 146 | 294177 | 18.944 ug/l | 99 |
| 88) 1,2-Dibromo-3-Chloropropan | 12.99 | 75 | 45393 | 16.925 ug/l | 95 |
| 89) 1,2,4-Trichlorobenzene | 13.64 | 180 | 196330 | 18.336 ug/l | 96 |
| 90) Hexachlorobutadiene | 13.77 | 225 | 98338 | 19.166 ug/l | 96 |
| 91) Naphthalene | 13.83 | 128 | 581648 | 17.157 ug/l | 100 |
| 92) 1,2,3-Trichlorobenzene | 14.01 | 180 | 197318 | 18.236 ug/l | 99 |

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX120719\
Data File : VX0137837.D
Acq On : 07 Dec 2019 01:13 pm
Operator : JC/SP
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Dec 09 02:10:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X111119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Nov 12 01:16:13 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

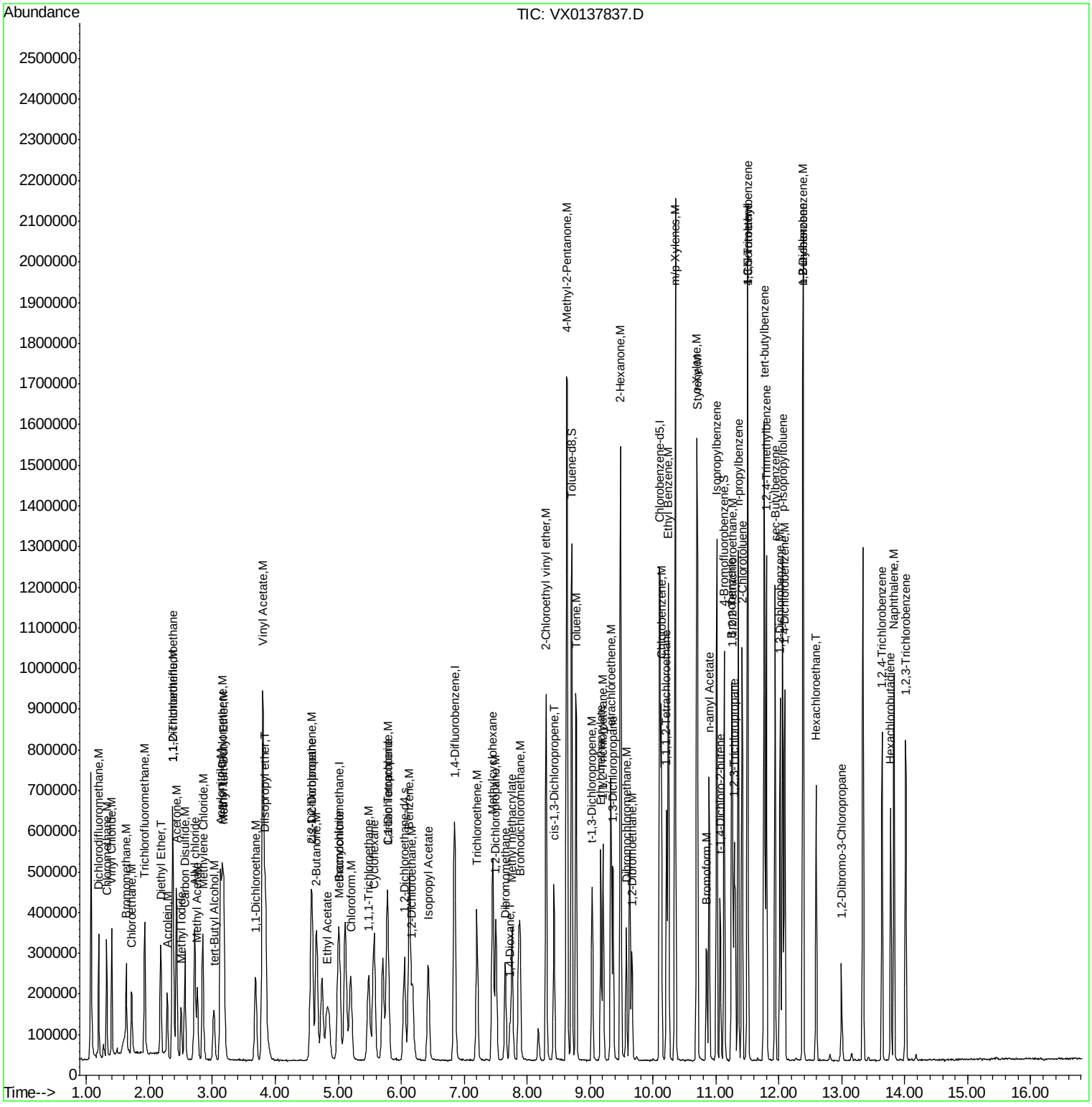
(#) = qualifier out of range (m) = manual integration (+) = signals summed

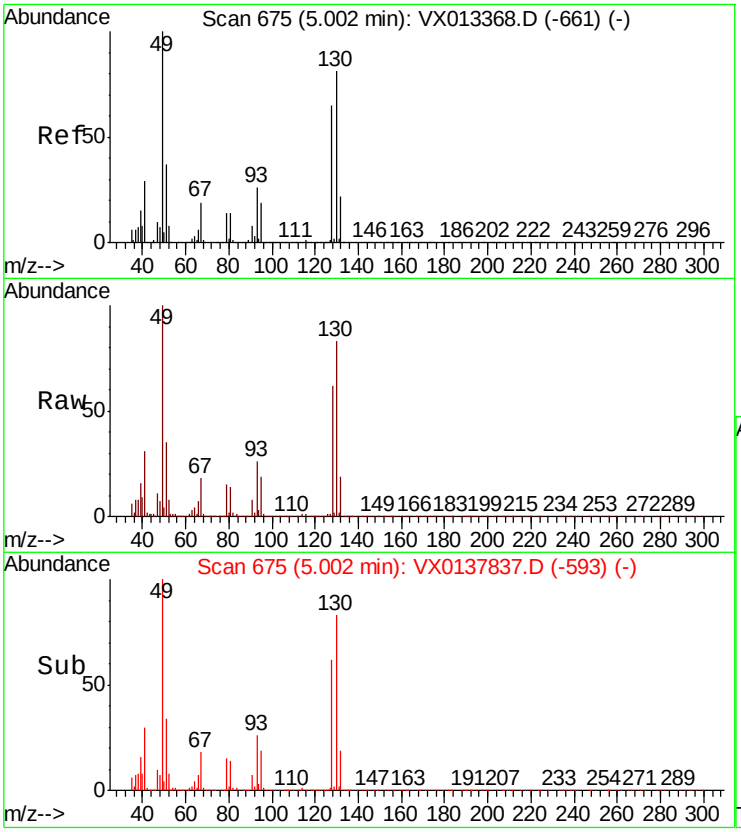
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX120719\
Data File : VX0137837.D
Acq On : 07 Dec 2019 01:13 pm
Operator : JC/SP
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Dec 09 02:10:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X111119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Nov 12 01:16:13 2019
Response via : Initial Calibration



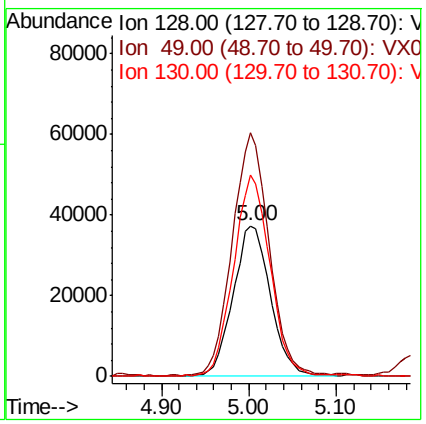


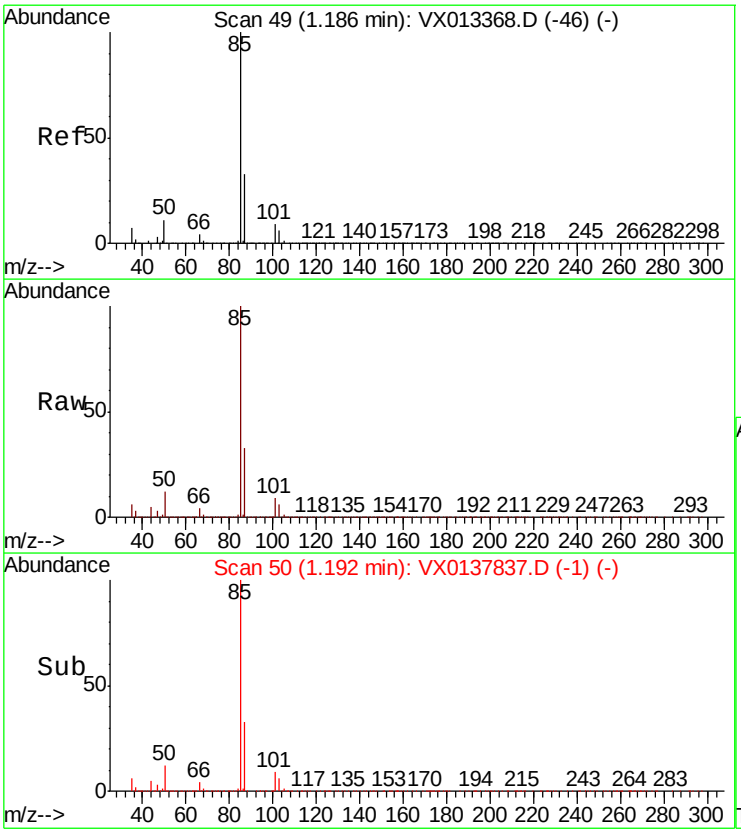

#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 5.00 min Scan# 675
Delta R.T. -0.00 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

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

Tgt Ion:128 Resp: 109989

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 49 | 161.1 | 0.0 | 388.3 |
| 130 | 131.1 | 0.0 | 318.5 |

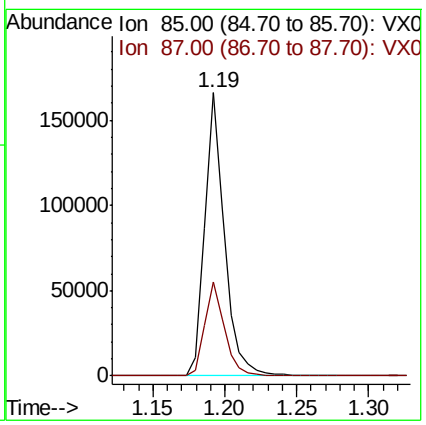


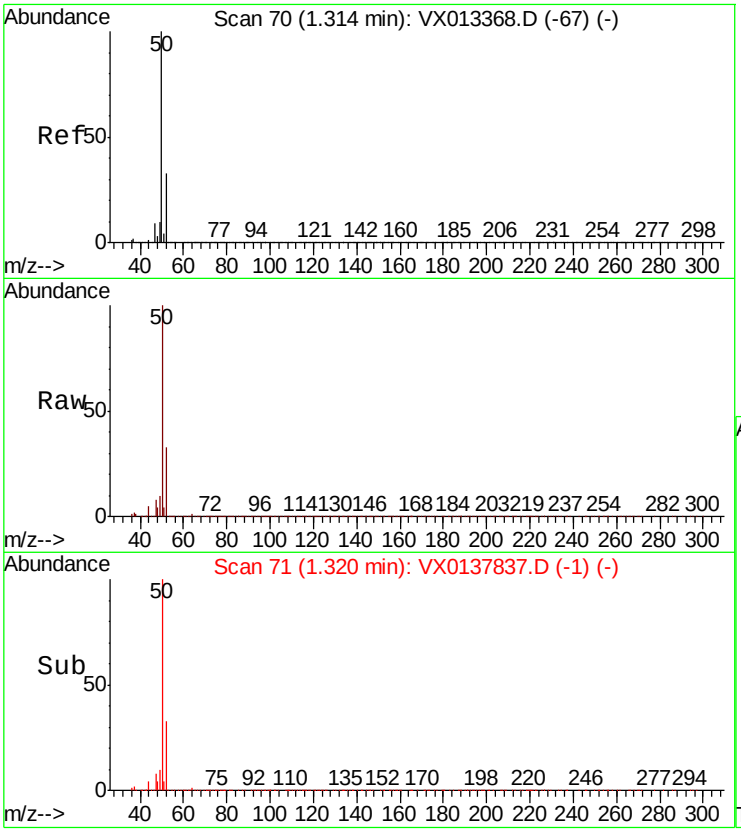




#2
Dichlorodifluoromethane
Concen: 18.874 ug/l
RT: 1.19 min Scan# 50
Delta R.T. 0.01 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

Tgt Ion: 85 Resp: 155537

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 33.3 | 16.6 | 49.7 |



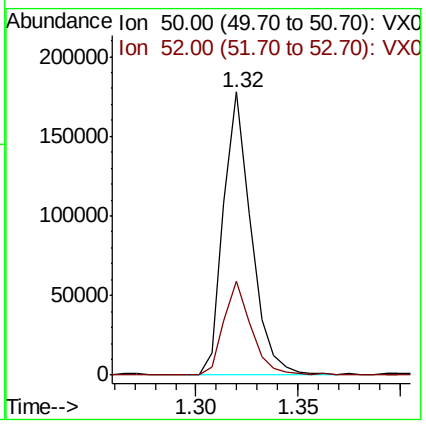


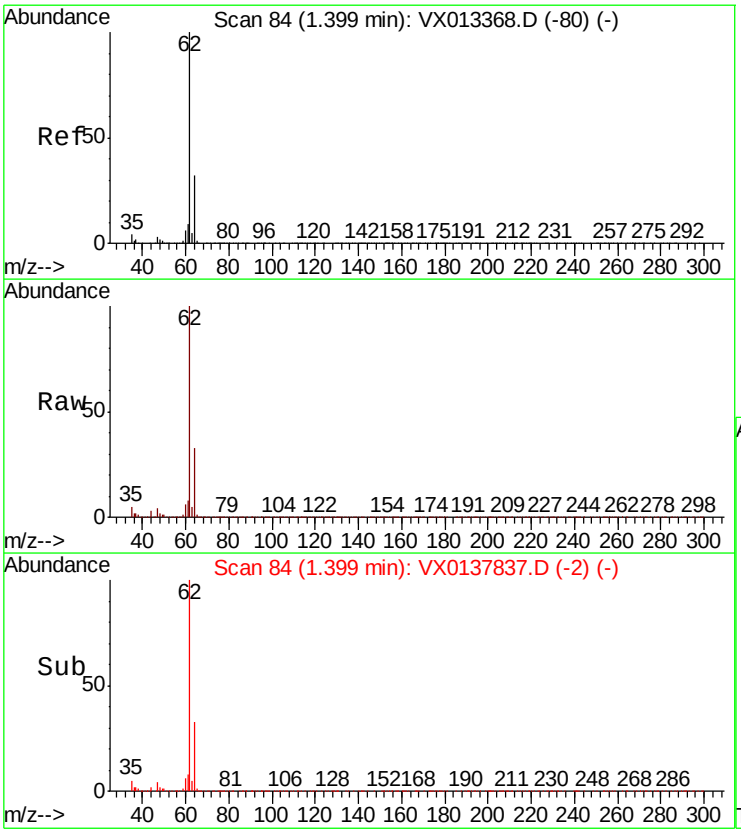

#3
Chloromethane
Concen: 18.618 ug/l
RT: 1.32 min Scan# 71
Delta R.T. 0.01 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

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

Tgt Ion: 50 Resp: 167220

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 33.2 | 26.6 | 40.0 |

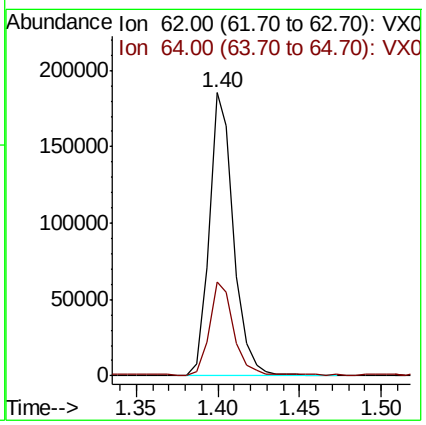


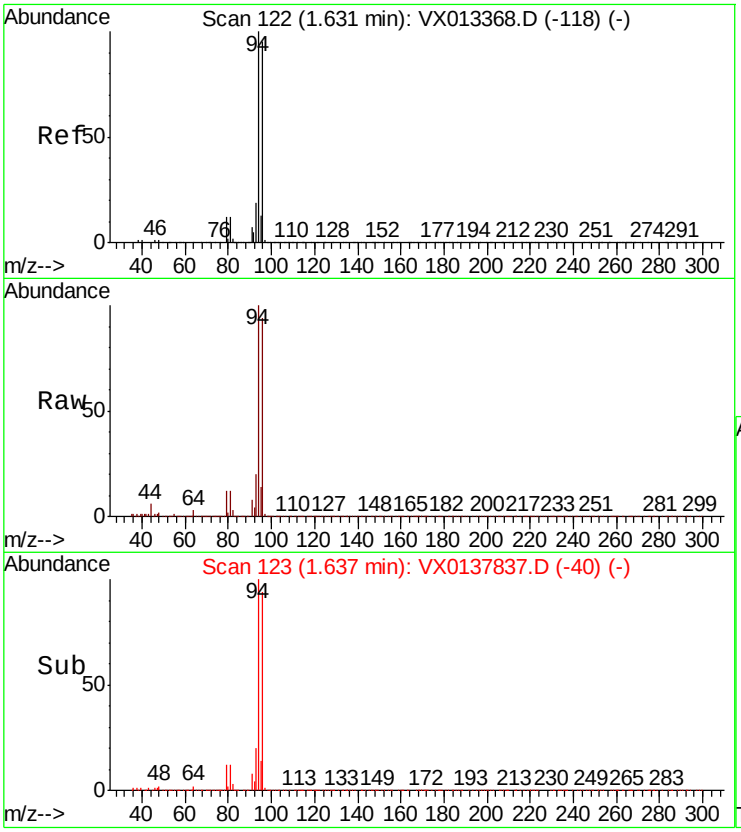




#4
Vinyl Chloride
Concen: 18.843 ug/l
RT: 1.40 min Scan# 84
Delta R.T. -0.00 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

Tgt Ion: 62 Resp: 192303

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.8 | 25.4 | 38.2 |



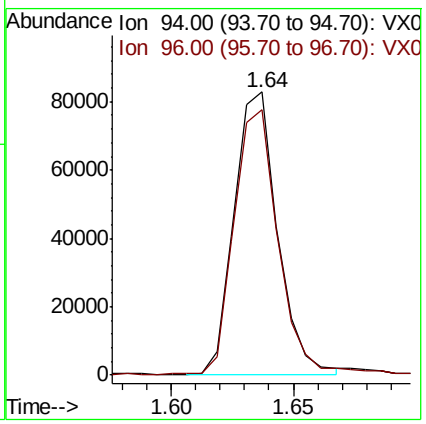


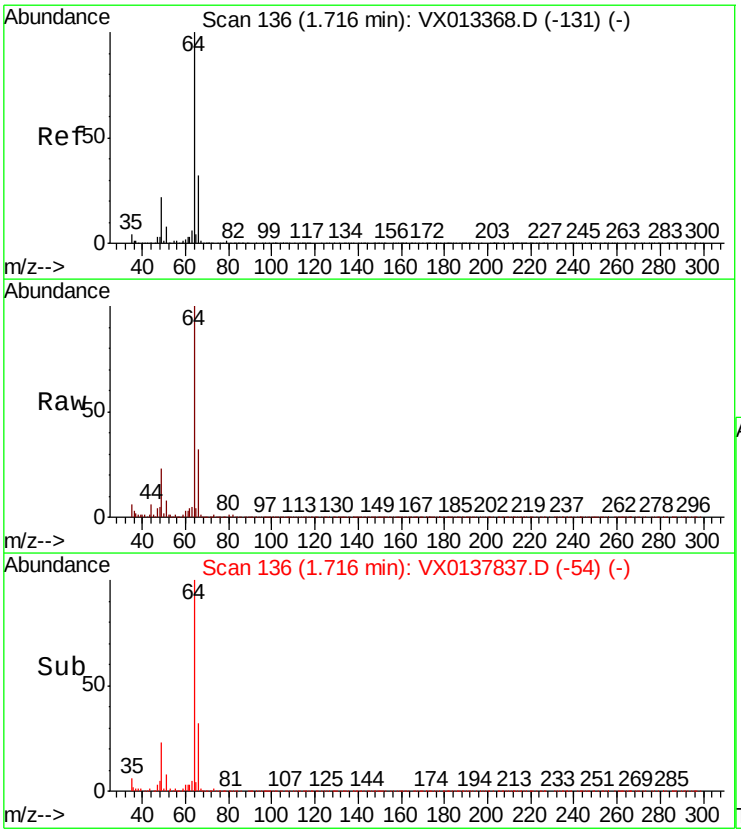

#5
Bromomethane
Concen: 16.558 ug/l
RT: 1.64 min Scan# 123
Delta R.T. 0.01 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

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

Tgt Ion: 94 Resp: 101586

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 93.6 | 75.7 | 113.5 |

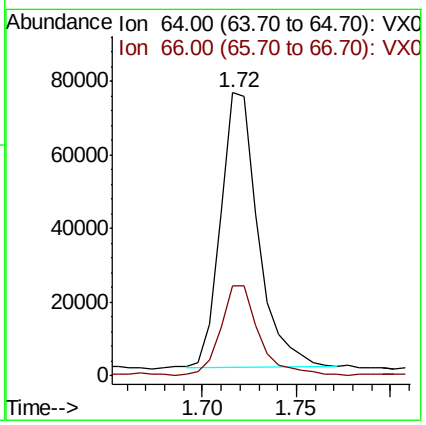


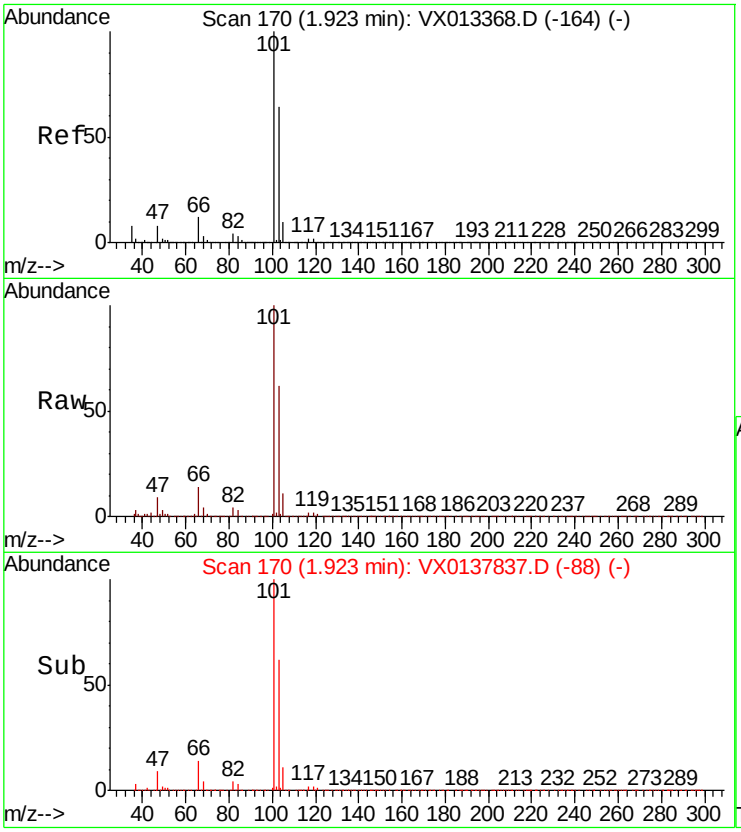




#6
Chloroethane
Concen: 18.360 ug/l
RT: 1.72 min Scan# 136
Delta R.T. -0.00 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

Tgt Ion: 64 Resp: 103000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 32.6 | 25.5 | 38.3 |



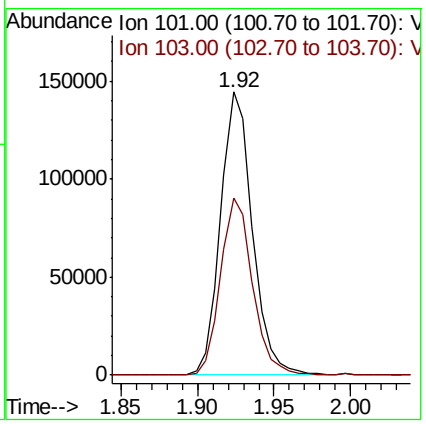


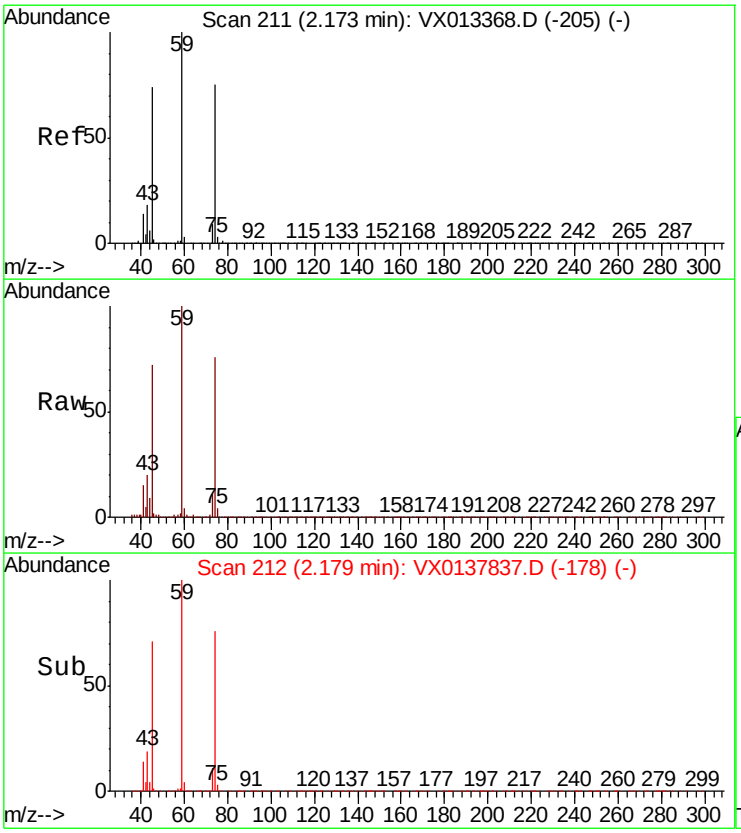

#7
Trichlorofluoromethane
Concen: 18.820 ug/l
RT: 1.92 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

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

Tgt Ion:101 Resp: 206774

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 62.3 | 51.2 | 76.8 |

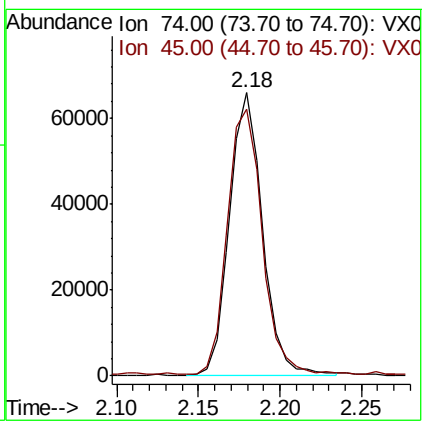


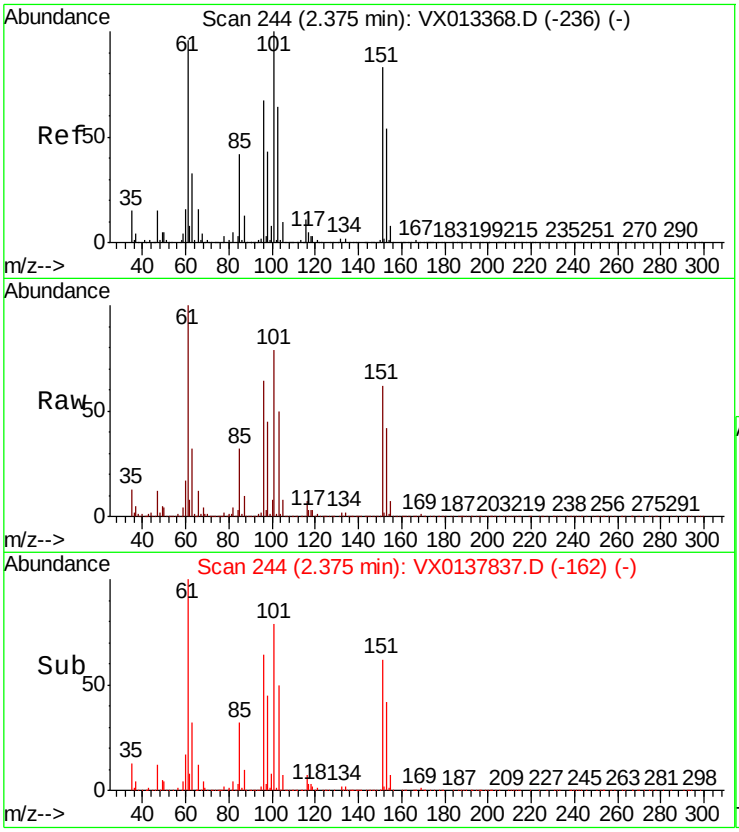




#8
Diethyl Ether
Concen: 18.363 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.01 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

Tgt Ion: 74 Resp: 92118

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 100.1 | 19.5 | 175.5 |



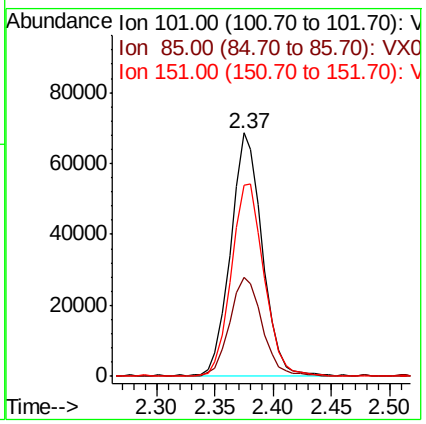


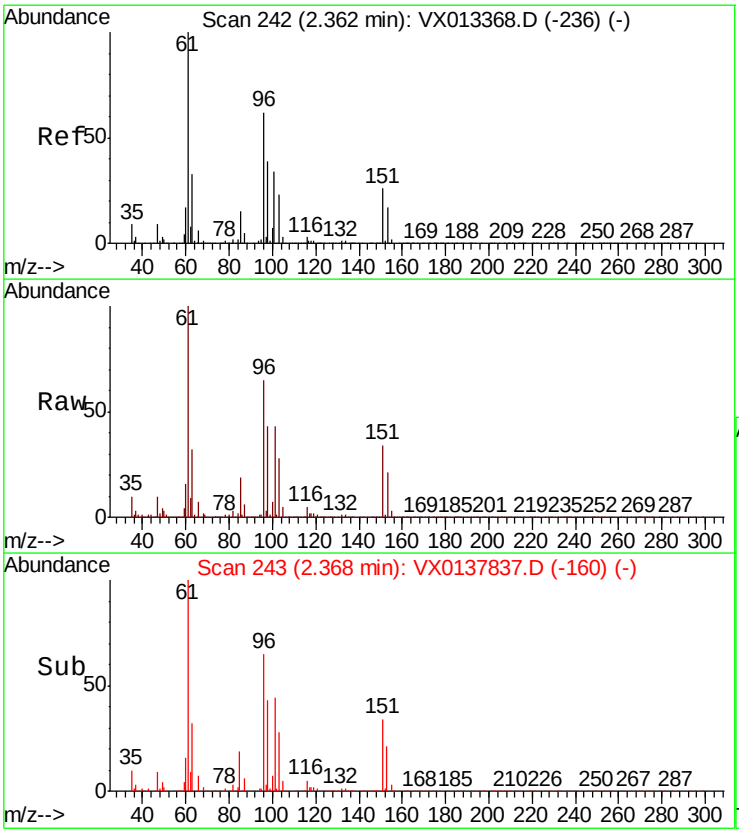

#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.509 ug/l
RT: 2.37 min Scan# 244
Delta R.T. -0.00 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

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

Tgt Ion:101 Resp: 128959

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 41.9 | 0.0 | 83.2 |
| 151 | 82.1 | 0.0 | 163.8 |

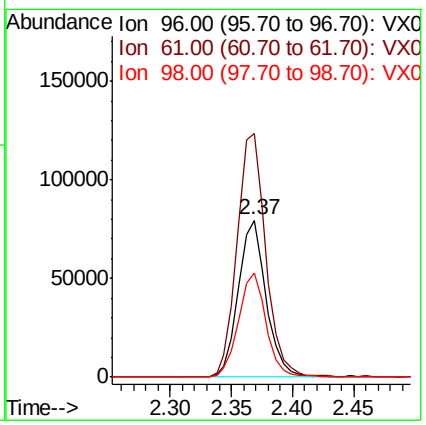


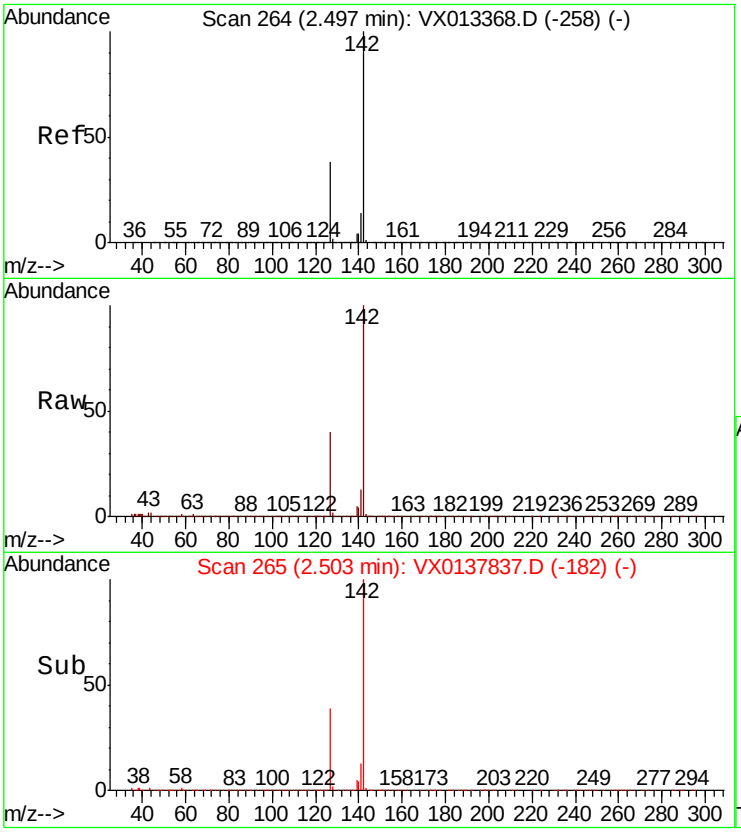




#10
1,1-Dichloroethene
Concen: 18.261 ug/l
RT: 2.37 min Scan# 243
Delta R.T. 0.01 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

Tgt Ion: 96 Resp: 124044

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 154.8 | 128.9 | 193.3 |
| 98 | 66.2 | 49.7 | 74.5 |



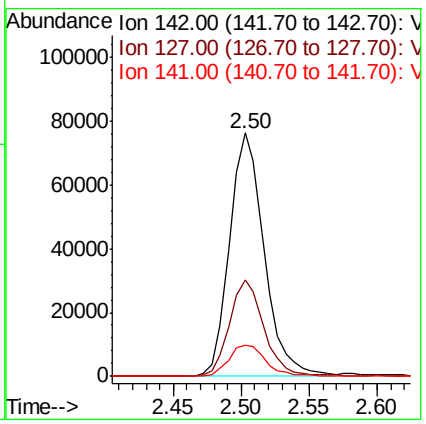


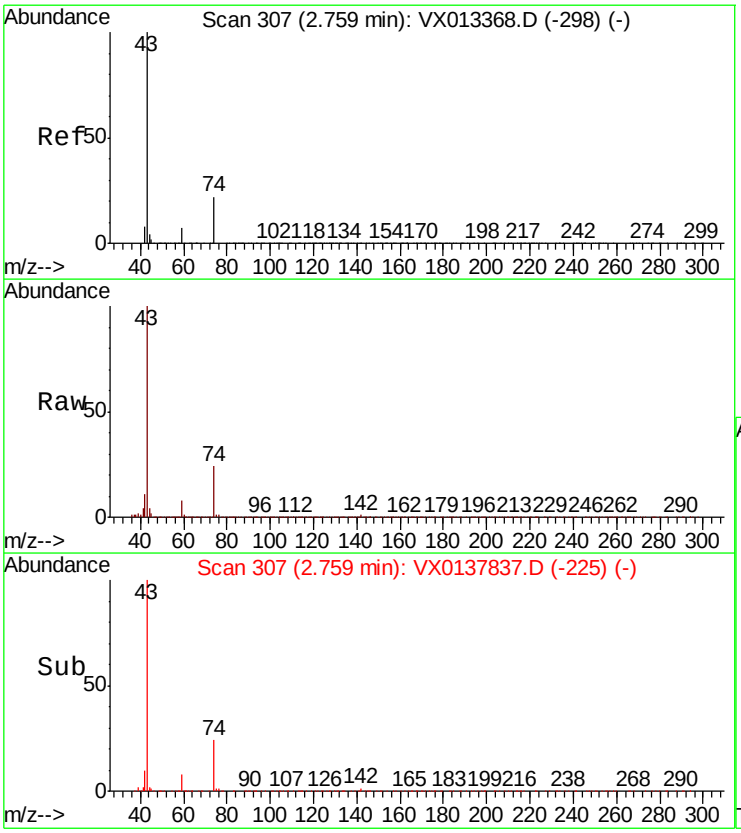

#11
Methyl Iodide
Concen: 16.017 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

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

Tgt Ion:142 Resp: 134348

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 39.4 | 19.1 | 57.5 |
| 141 | 12.5 | 7.0 | 21.0 |

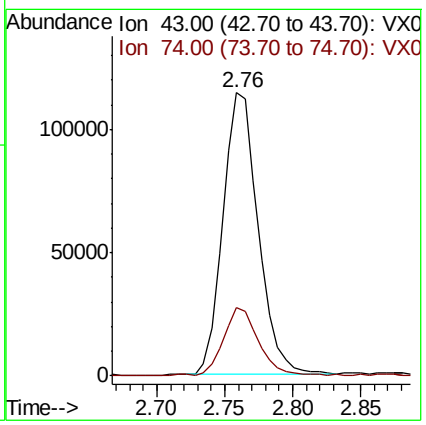


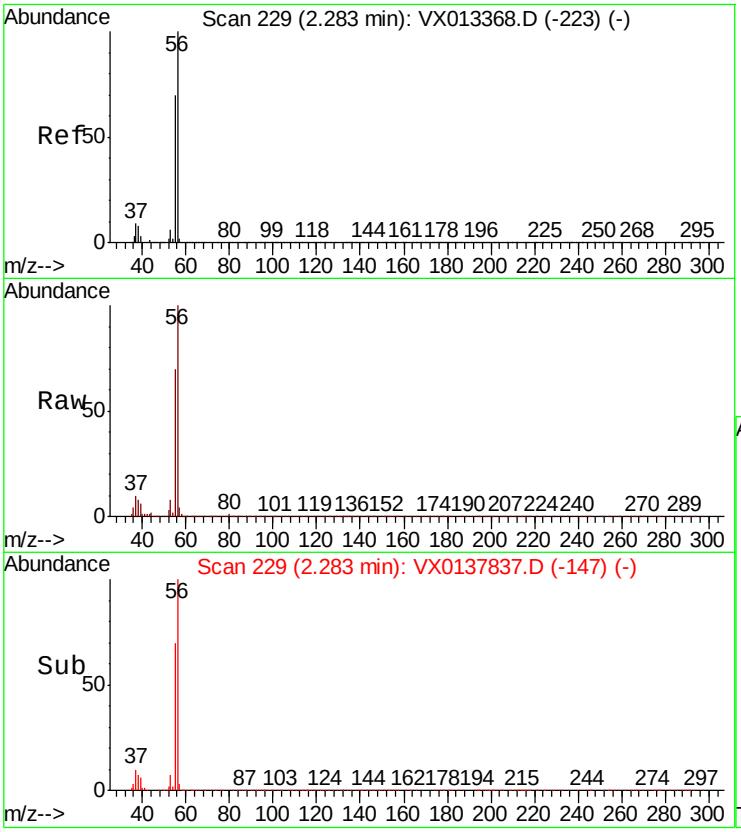




#12
Methyl Acetate
Concen: 17.266 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.00 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

Tgt Ion: 43 Resp: 205513

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.7 | 18.0 | 27.0 |



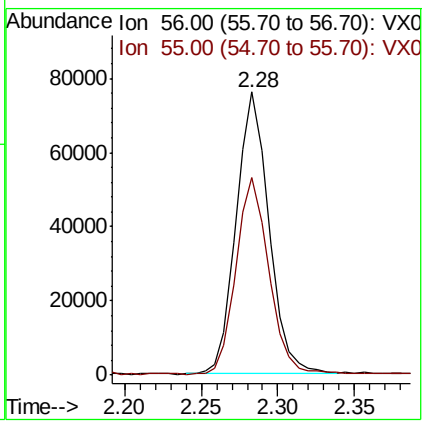


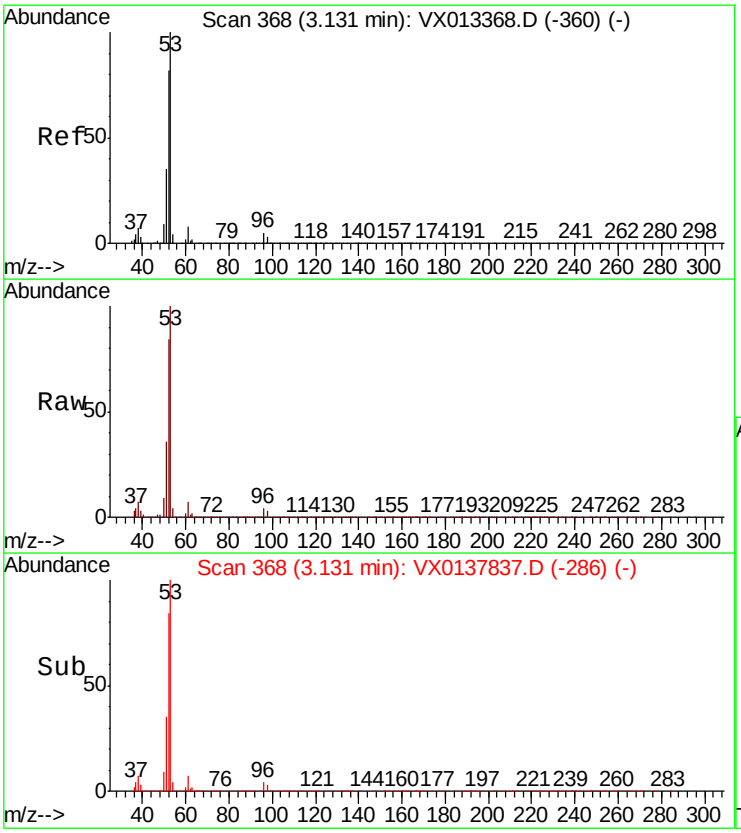

#13
Acrolein
Concen: 89.690 ug/l
RT: 2.28 min Scan# 229
Delta R.T. -0.00 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

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

Tgt Ion: 56 Resp: 113402

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 69.3 | 55.8 | 83.8 |

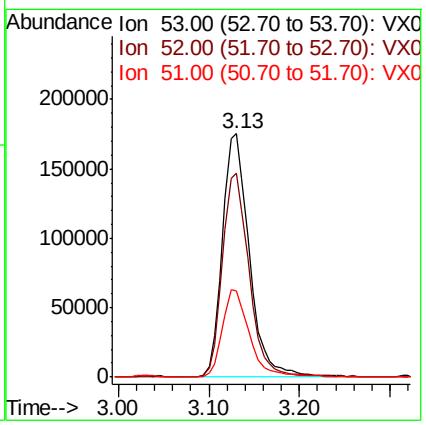


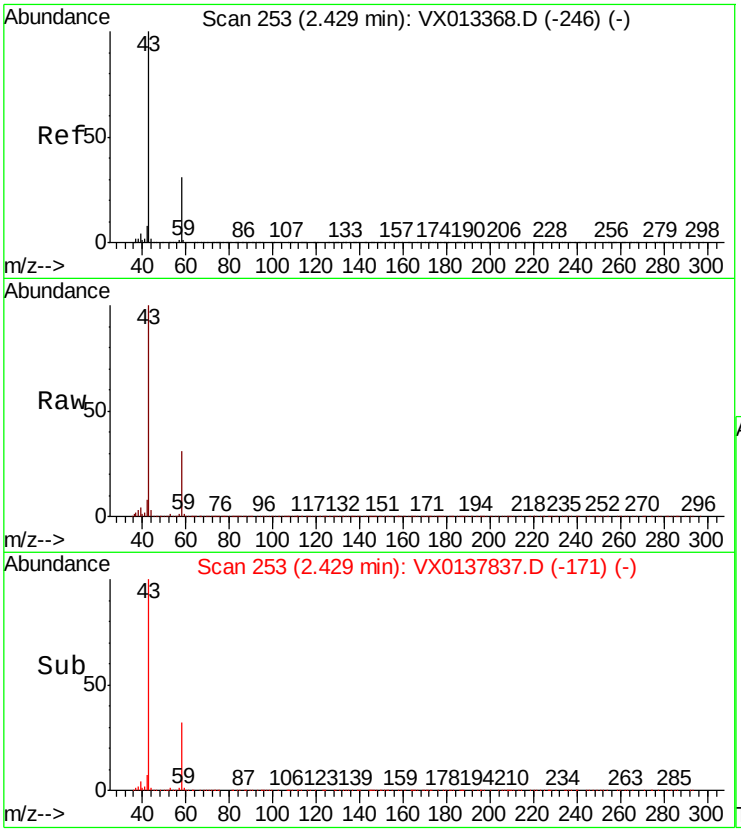




#14
Acrylonitrile
Concen: 82.439 ug/l
RT: 3.13 min Scan# 368
Delta R.T. -0.00 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

Tgt Ion: 53 Resp: 360842

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.9 | 41.0 | 123.0 |
| 51 | 35.8 | 17.3 | 51.9 |



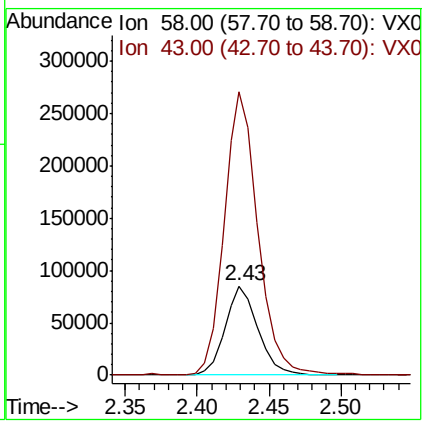


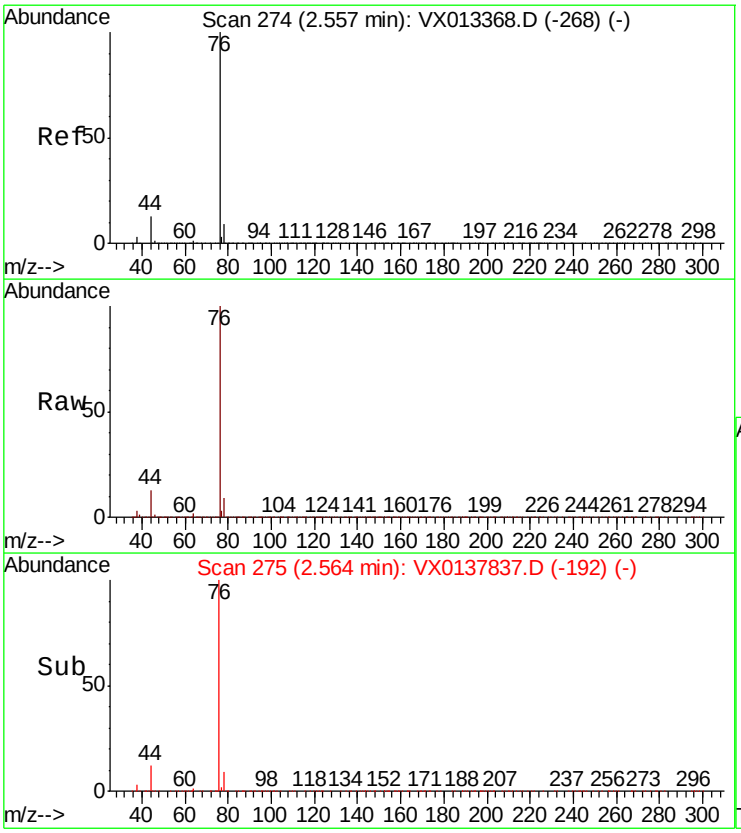

#15
Acetone
Concen: 101.536 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.00 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

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

Tgt Ion: 58 Resp: 134604

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 58 | 100 | | |
| 43 | 318.3 | 261.4 | 392.2 |

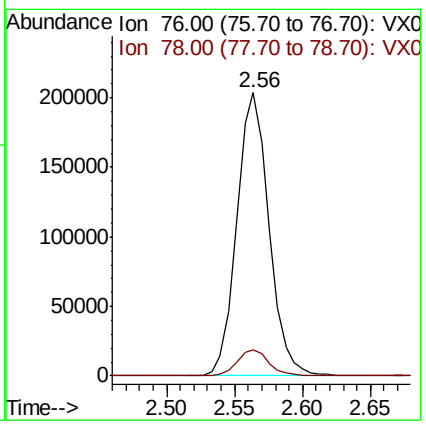


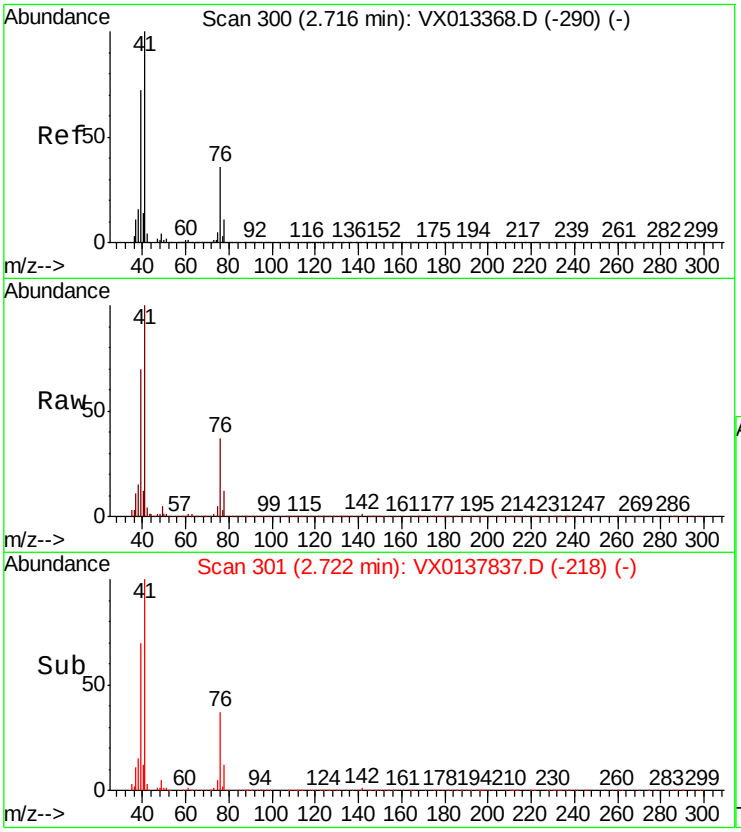




#16
Carbon Disulfide
Concen: 17.775 ug/l
RT: 2.56 min Scan# 275
Delta R.T. 0.01 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

Tgt Ion: 76 Resp: 336785

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.1 | 7.4 | 11.0 |



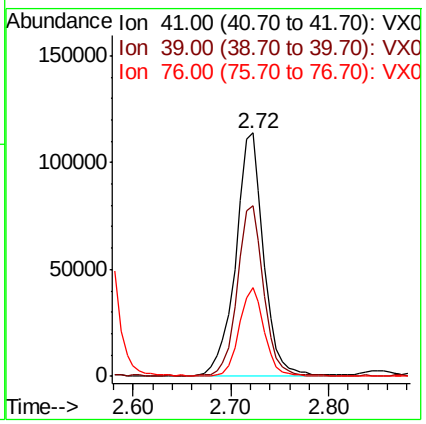


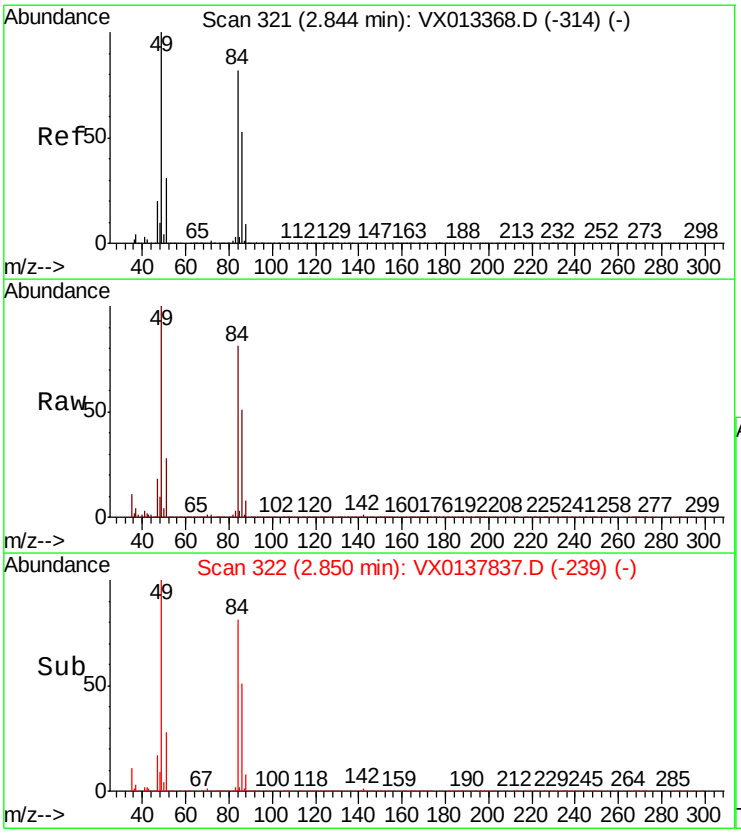

#17
Allyl chloride
Concen: 17.880 ug/l
RT: 2.72 min Scan# 301
Delta R.T. 0.01 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

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

Tgt Ion: 41 Resp: 223667

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 69.9 | 36.1 | 108.3 |
| 76 | 36.7 | 18.1 | 54.4 |

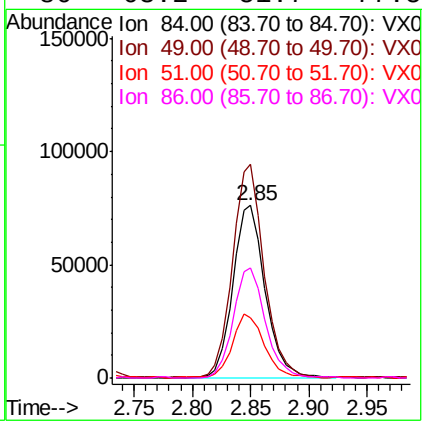


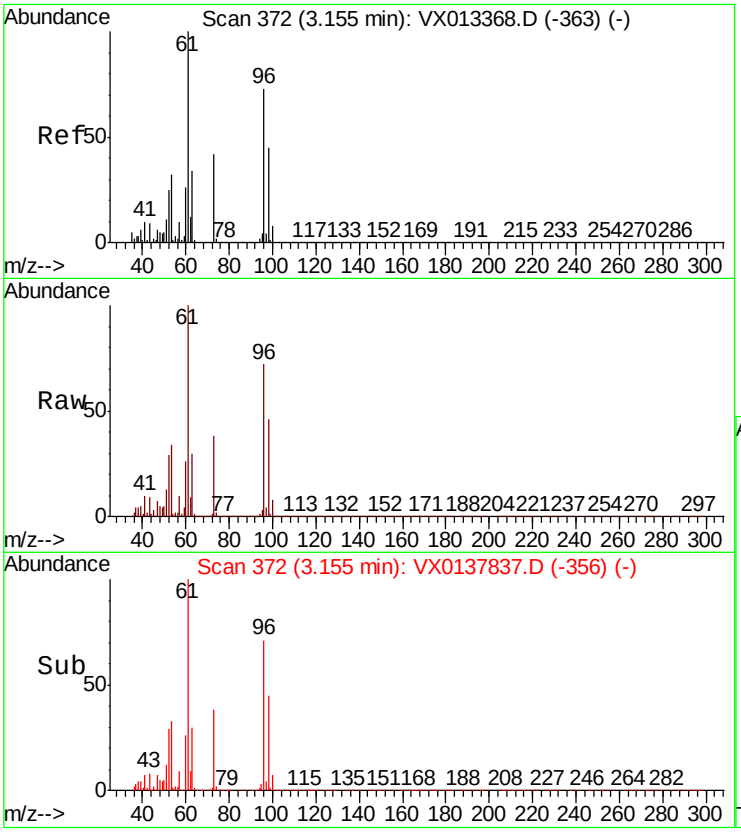




#18
Methylene Chloride
Concen: 19.122 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

Tgt Ion: 84 Resp: 147379

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 123.3 | 96.8 | 145.2 |
| 51 | 34.3 | 30.0 | 45.0 |
| 86 | 63.2 | 51.7 | 77.5 |



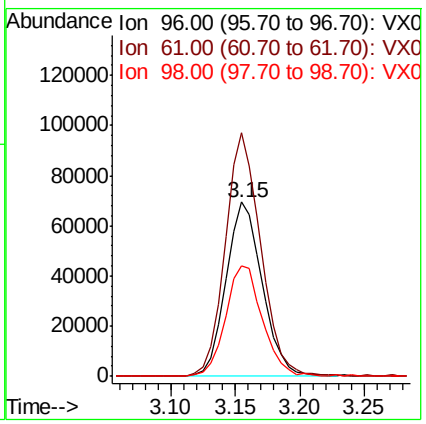


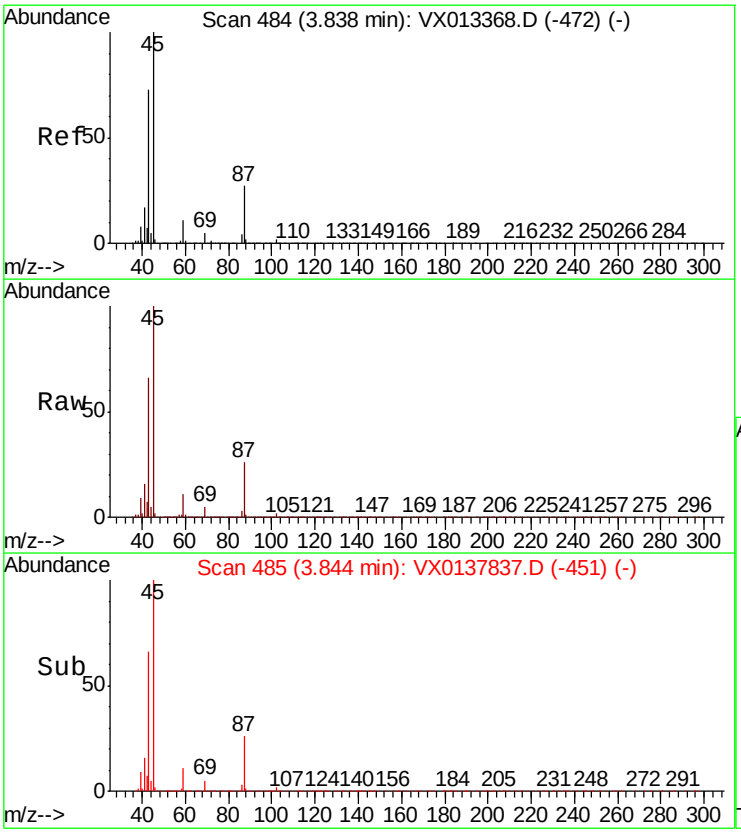

#19
trans-1,2-Dichloroethene
Concen: 18.635 ug/l
RT: 3.15 min Scan# 372
Delta R.T. -0.00 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

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

Tgt Ion: 96 Resp: 135289

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 139.7 | 109.9 | 164.9 |
| 98 | 63.4 | 49.7 | 74.5 |

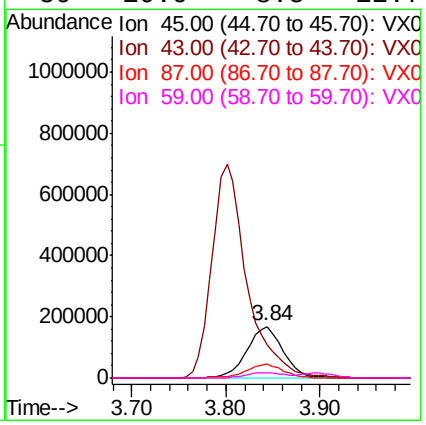


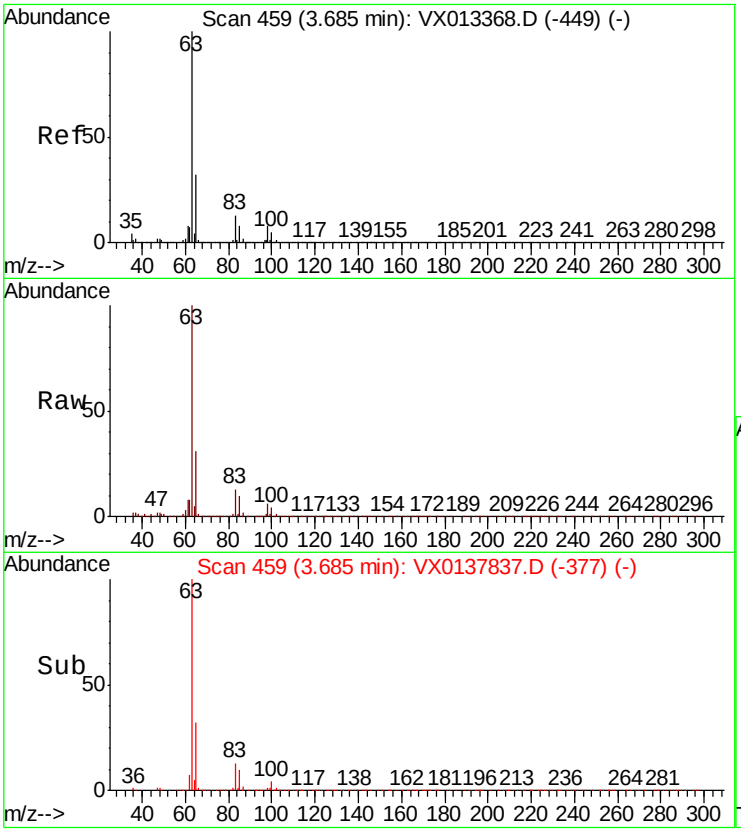




#20
Diisopropyl ether
Concen: 18.839 ug/l
RT: 3.84 min Scan# 485
Delta R.T. 0.01 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

Tgt Ion: 45 Resp: 453400

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 63.4 | 67.7 | 101.5# |
| 87 | 26.2 | 21.5 | 32.3 |
| 59 | 10.9 | 8.5 | 12.7 |



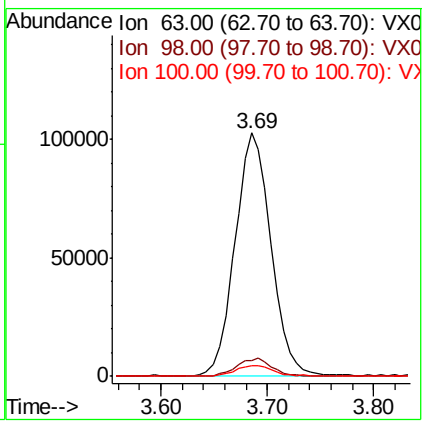


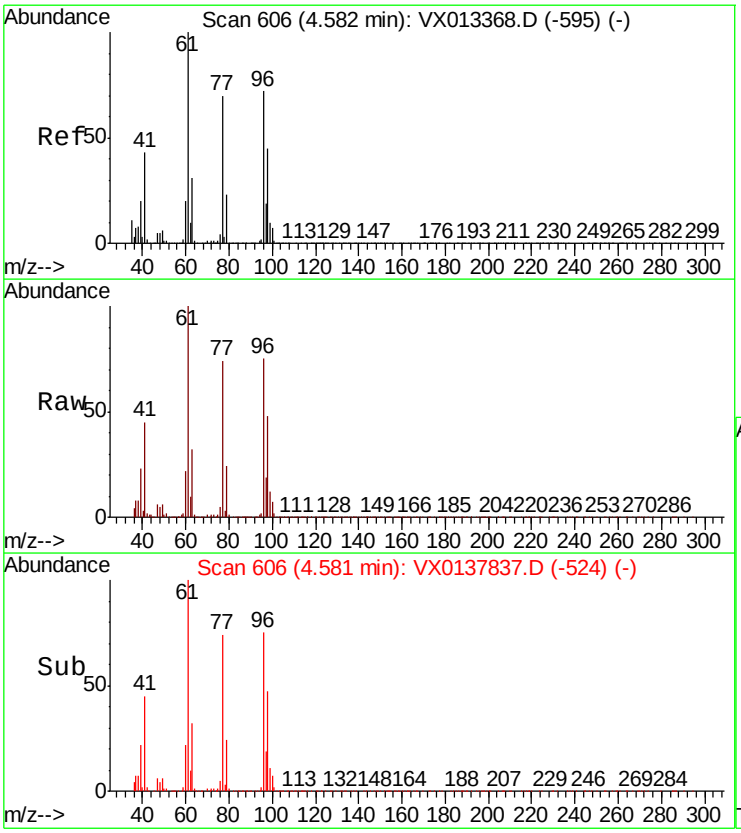

#21
1,1-Dichloroethane
Concen: 18.518 ug/l
RT: 3.69 min Scan# 459
Delta R.T. -0.00 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

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

Tgt Ion: 63 Resp: 242738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.4 | 4.0 | 11.9 |
| 100 | 4.1 | 2.5 | 7.5 |

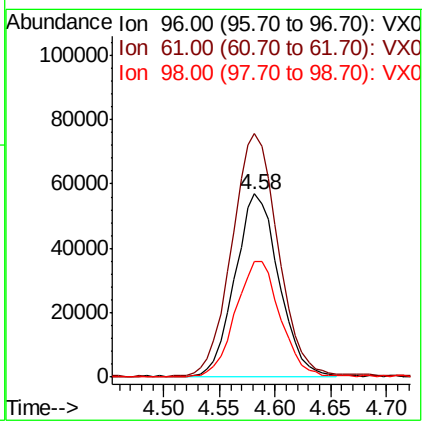


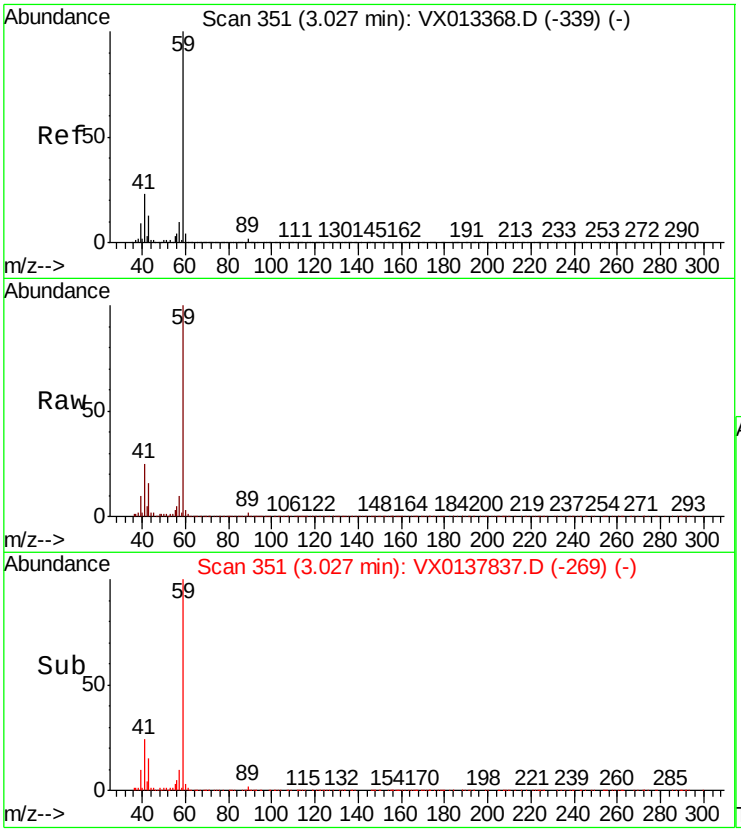




#22
cis-1,2-Dichloroethene
Concen: 18.777 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.00 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

Tgt Ion: 96 Resp: 155417

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 140.1 | 117.0 | 175.6 |
| 98 | 63.9 | 51.1 | 76.7 |



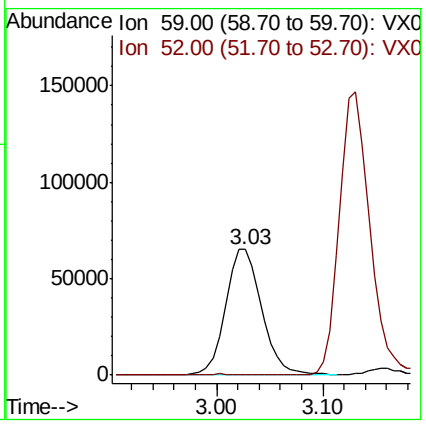


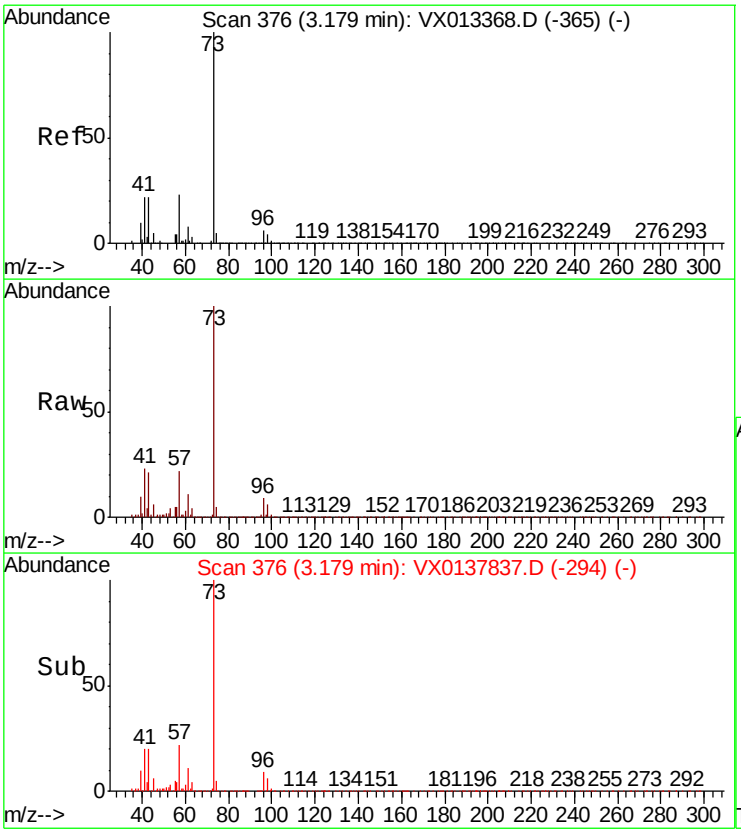

#23
tert-Butyl Alcohol
Concen: 73.180 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

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

Tgt Ion: 59 Resp: 154150

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 52 | 0.1 | 0.1 | 0.1 |

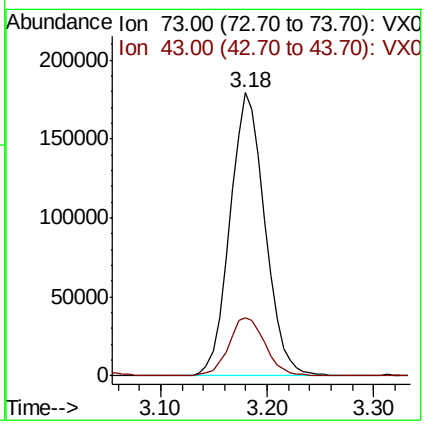


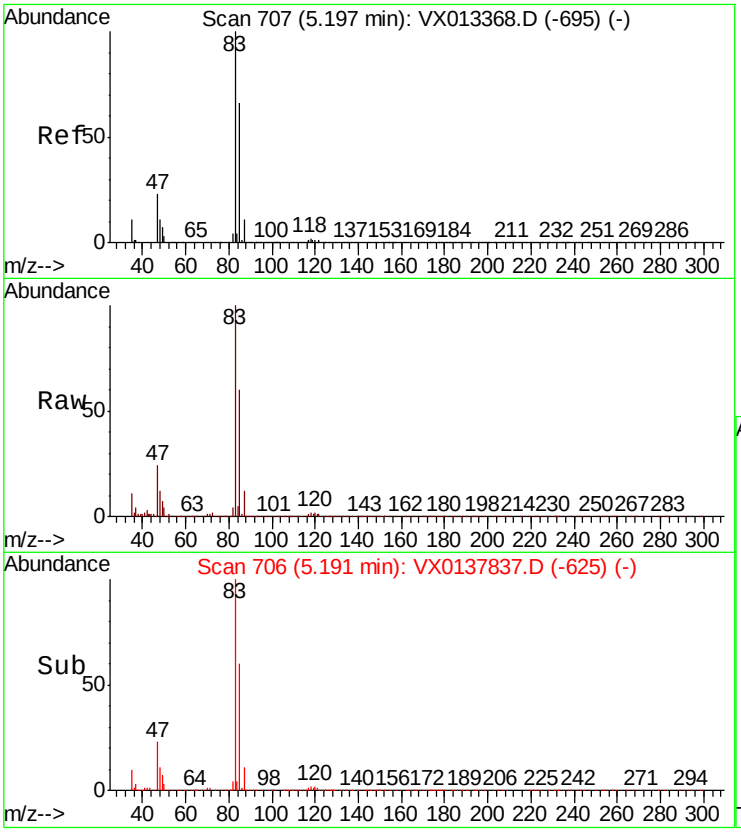




#24
Methyl tert-Butyl Ether
Concen: 18.309 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.00 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

Tgt Ion: 73 Resp: 411616

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 43 | 21.1 | 17.0 | 25.6 |



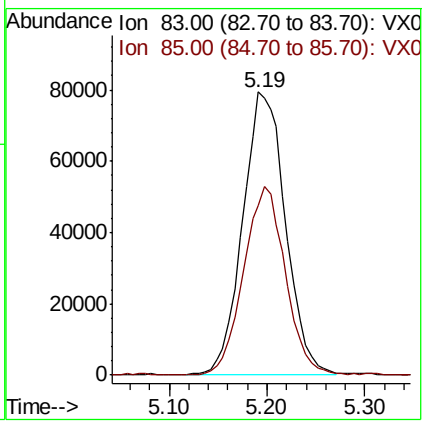


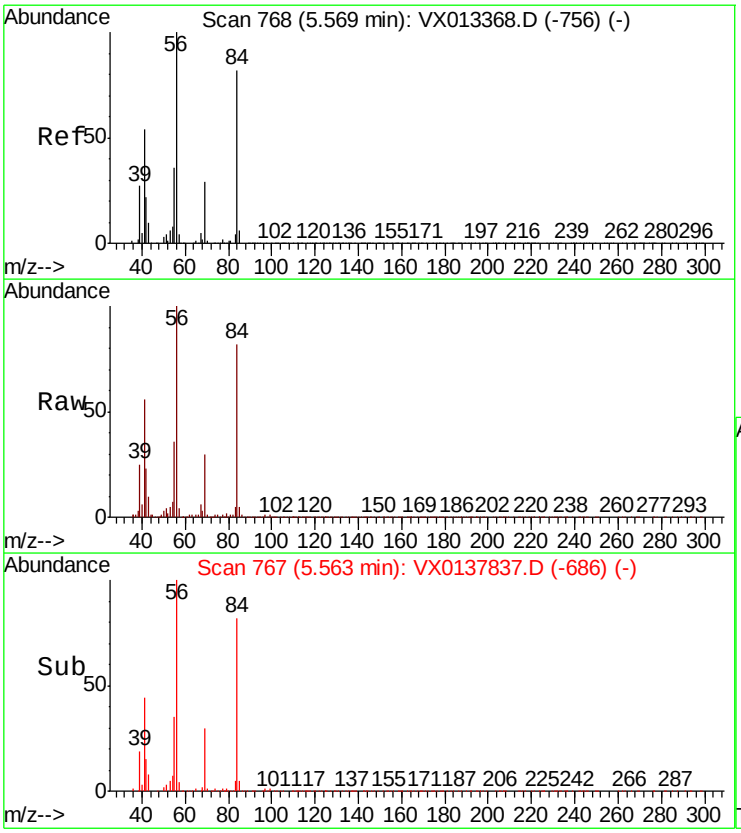

#25
Chloroform
Concen: 18.720 ug/l
RT: 5.19 min Scan# 706
Delta R.T. -0.01 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

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

Tgt Ion: 83 Resp: 240194

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 60.0 | 52.4 | 78.6 |

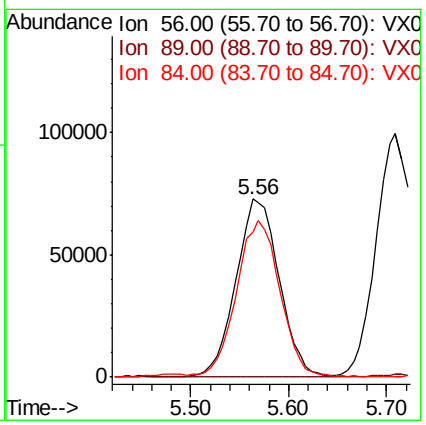


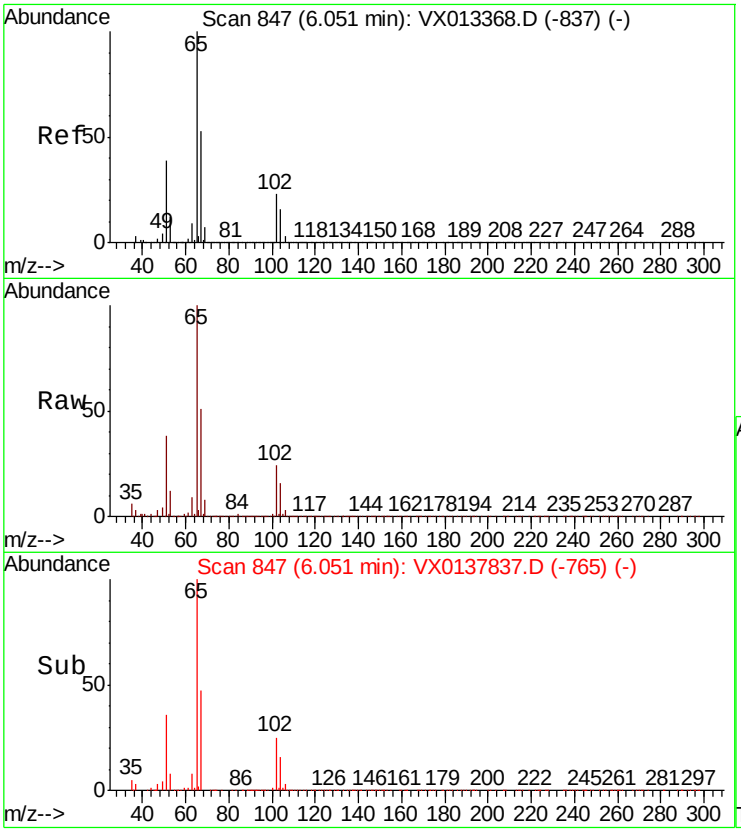




#26
Cyclohexane
Concen: 18.761 ug/l
RT: 5.56 min Scan# 767
Delta R.T. -0.01 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

Tgt Ion: 56 Resp: 223329

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 89 | 0.1 | 0.0 | 0.0# |
| 84 | 87.1 | 70.5 | 105.7 |



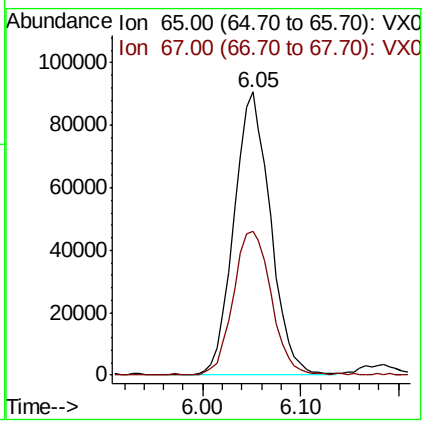


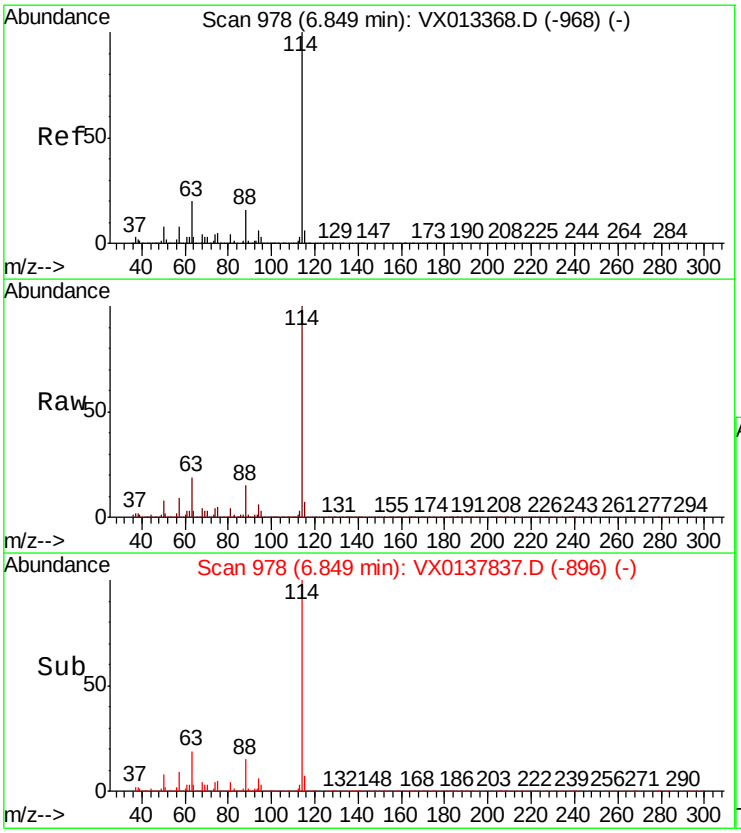

#27
1,2-Dichloroethane-d4
Concen: 28.852 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

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

Tgt Ion: 65 Resp: 234334

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.3 | 41.0 | 61.6 |

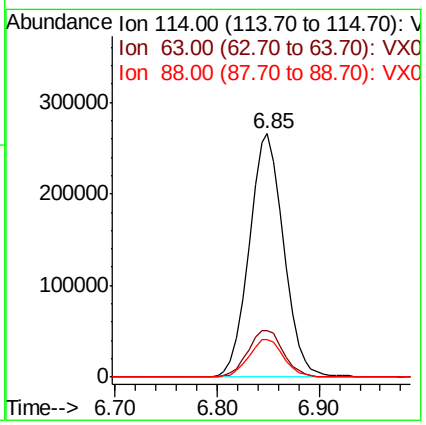


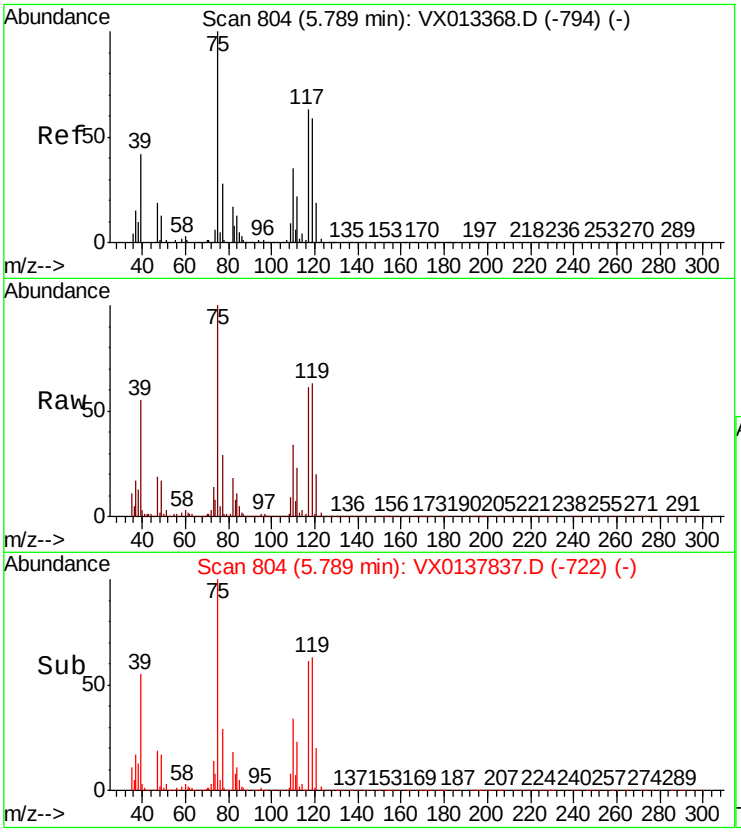




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. -0.00 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

Tgt Ion:114 Resp: 624377

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.9 | 16.1 | 24.1 |
| 88 | 15.5 | 12.3 | 18.5 |



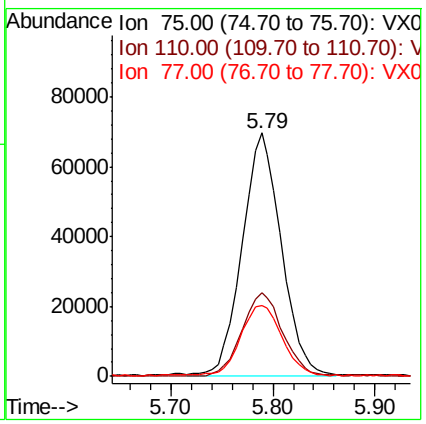


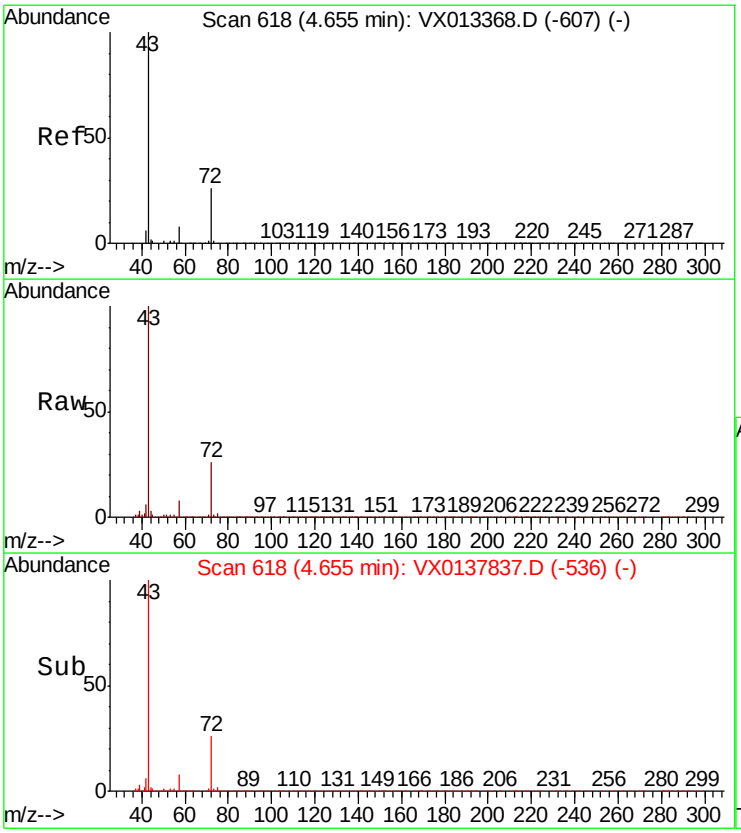

#29
1,1-Dichloropropene
Concen: 19.461 ug/l
RT: 5.79 min Scan# 804
Delta R.T. -0.00 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

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

Tgt Ion: 75 Resp: 185595

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 35.0 | 0.0 | 74.6 |
| 77 | 30.7 | 0.0 | 62.6 |

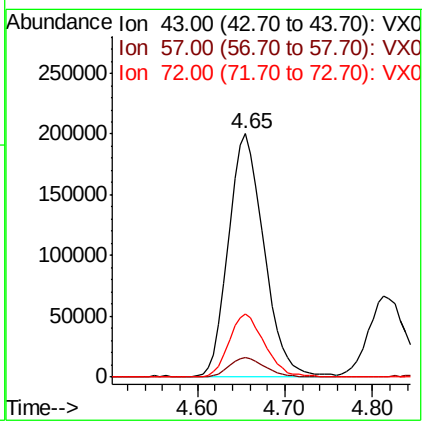


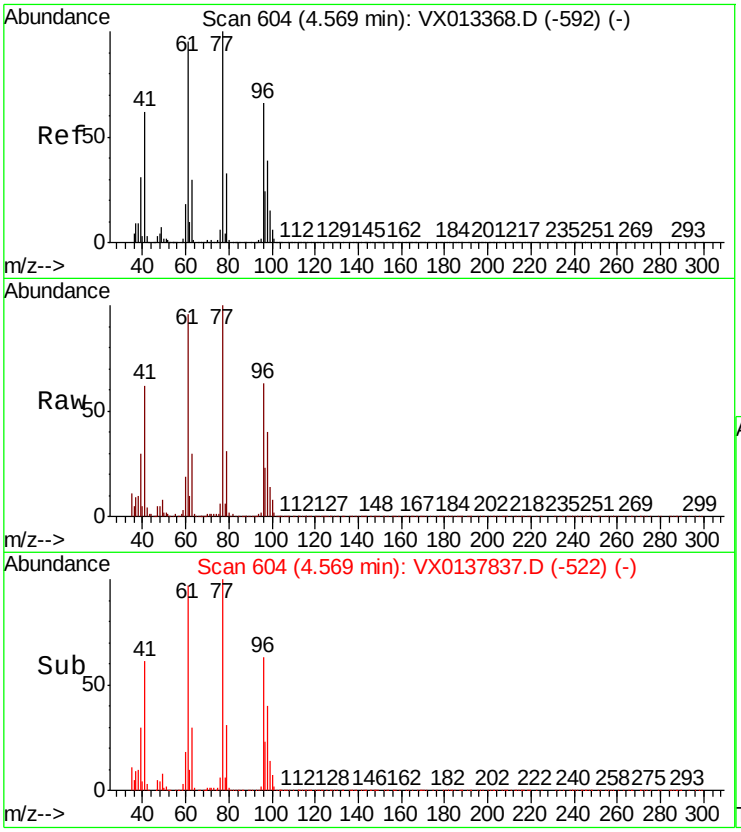




#30
2-Butanone
Concen: 89.204 ug/l
RT: 4.65 min Scan# 618
Delta R.T. -0.00 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

Tgt Ion: 43 Resp: 561515

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 57 | 8.1 | 6.1 | 9.1 |
| 72 | 25.4 | 20.5 | 30.7 |



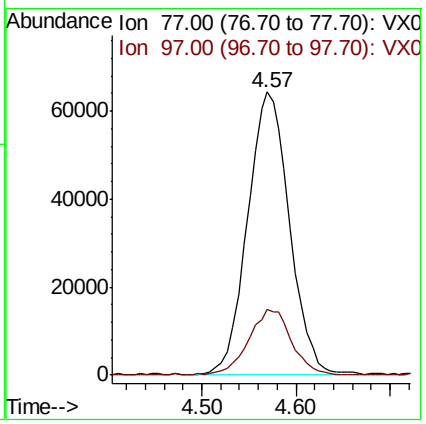


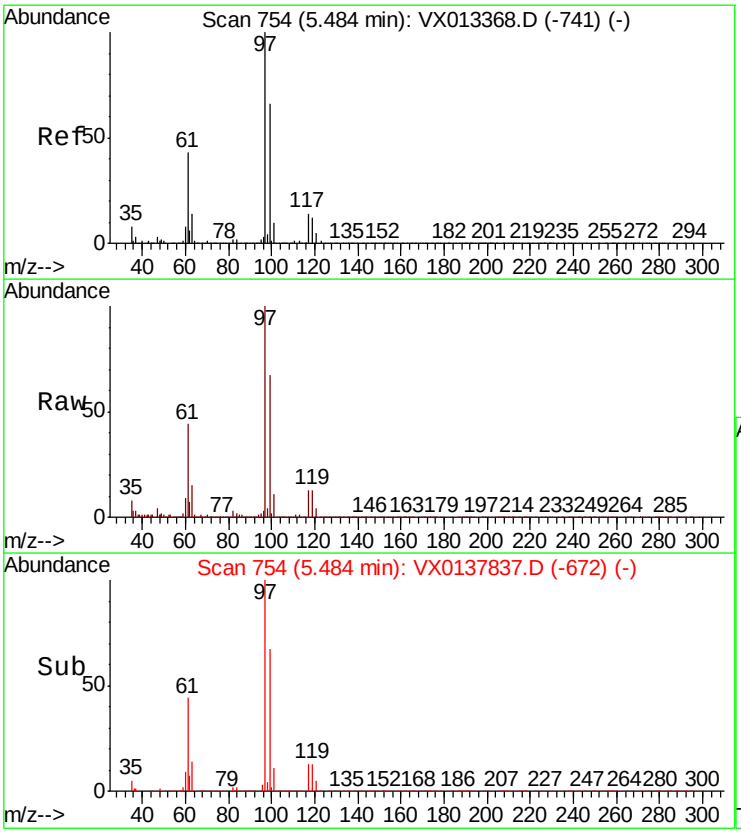

#31
2,2-Dichloropropane
Concen: 19.245 ug/l
RT: 4.57 min Scan# 604
Delta R.T. -0.00 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

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

Tgt Ion: 77 Resp: 198766

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 23.8 | 19.2 | 28.8 |

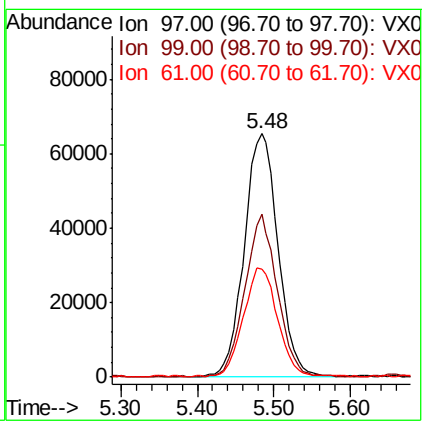


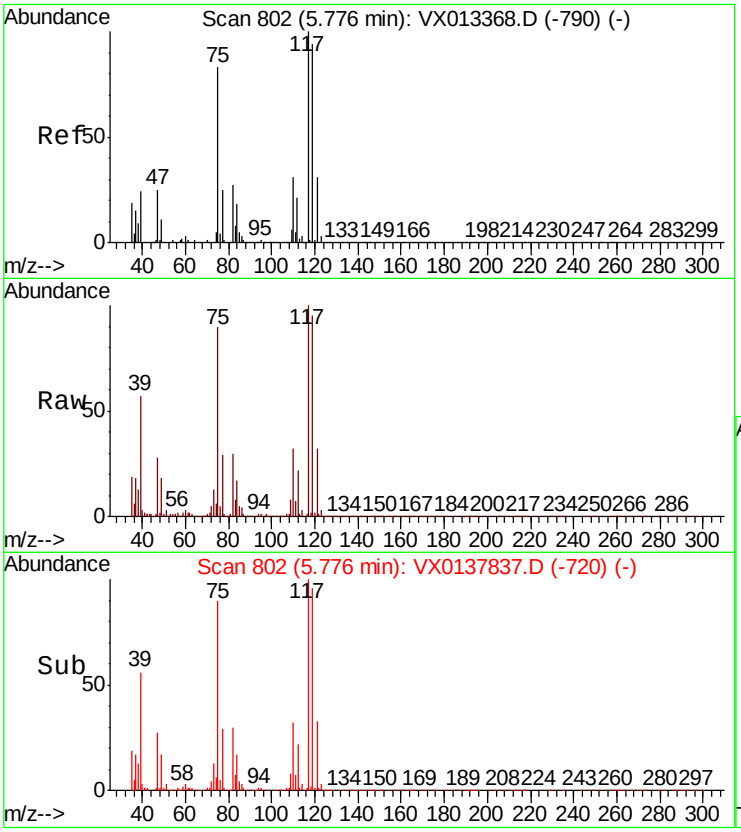




#32
1,1,1-Trichloroethane
Concen: 19.035 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.00 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

Tgt Ion: 97 Resp: 201776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.3 | 52.5 | 78.7 |
| 61 | 44.5 | 36.1 | 54.1 |



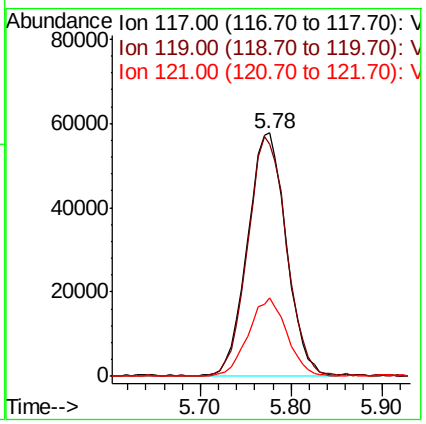


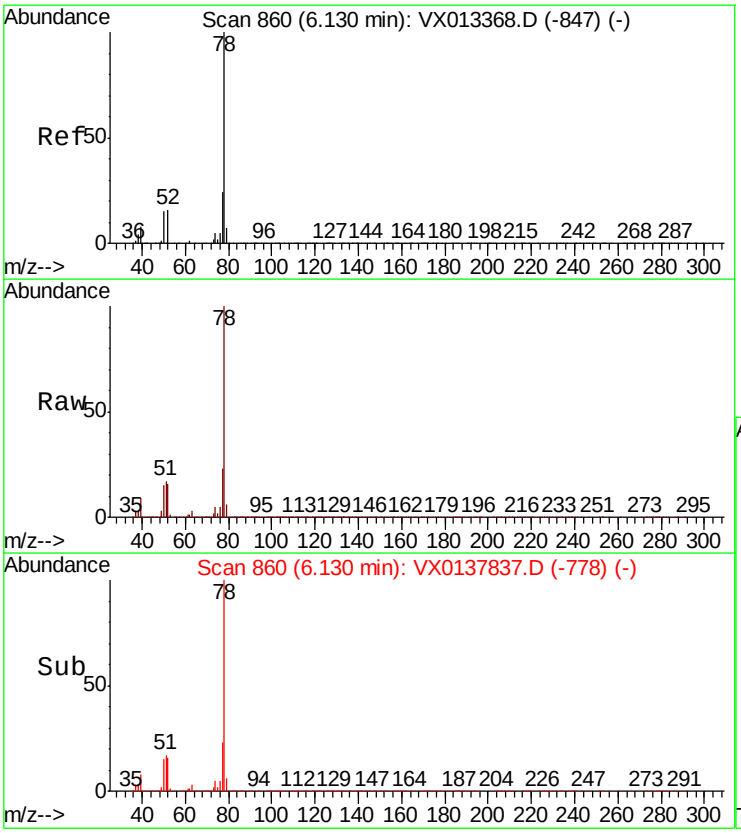

#33
Carbon Tetrachloride
Concen: 18.505 ug/l
RT: 5.78 min Scan# 802
Delta R.T. -0.00 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

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

Tgt Ion:117 Resp: 170375

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.2 | 75.0 | 112.6 |
| 121 | 32.4 | 24.9 | 37.3 |

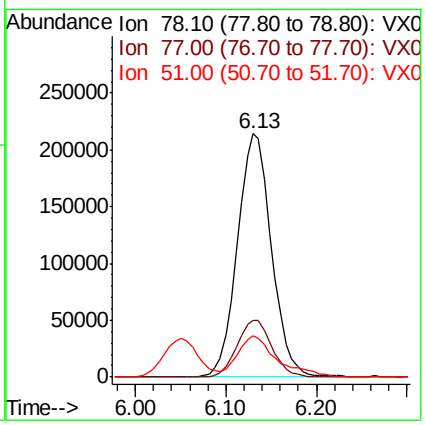


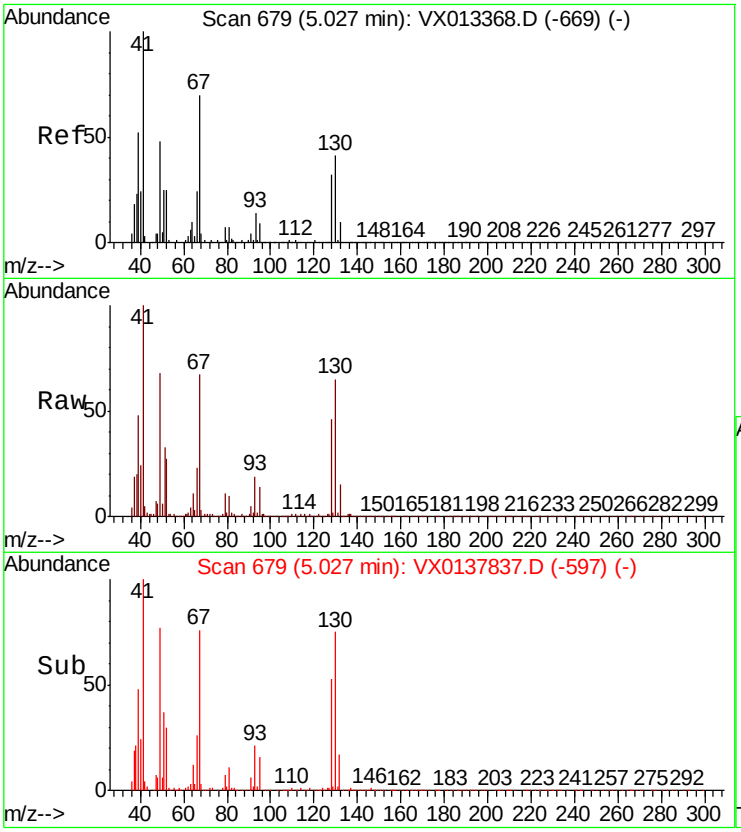




#34
Benzene
Concen: 19.238 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.00 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

Tgt Ion: 78 Resp: 556482

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.2 | 19.3 | 28.9 |
| 51 | 16.6 | 12.2 | 18.4 |



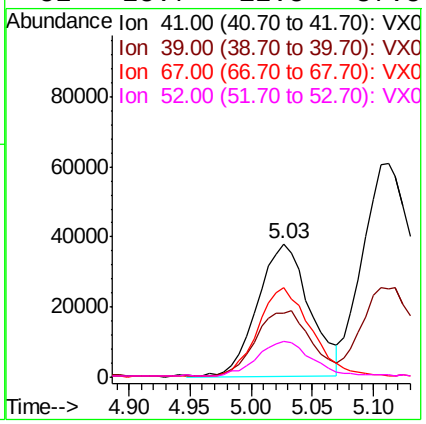


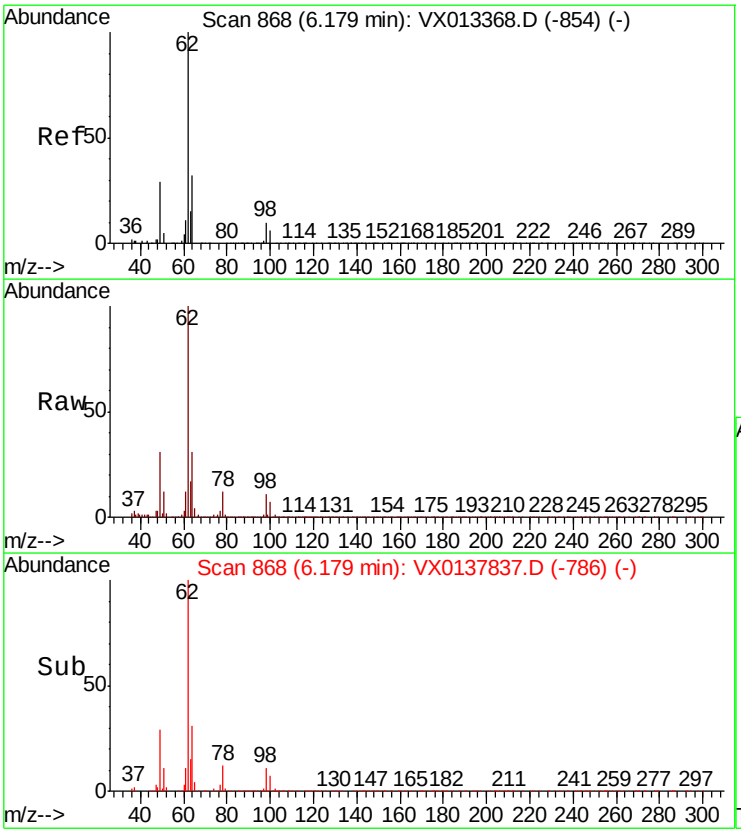

#35
Methacrylonitrile
Concen: 17.908 ug/l
RT: 5.03 min Scan# 679
Delta R.T. -0.00 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

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

Tgt Ion: 41 Resp: 112572

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 46.6 | 25.9 | 77.8 |
| 67 | 66.1 | 35.1 | 105.5 |
| 52 | 25.7 | 12.5 | 37.5 |

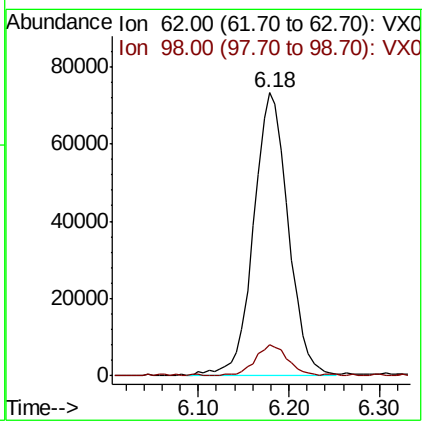


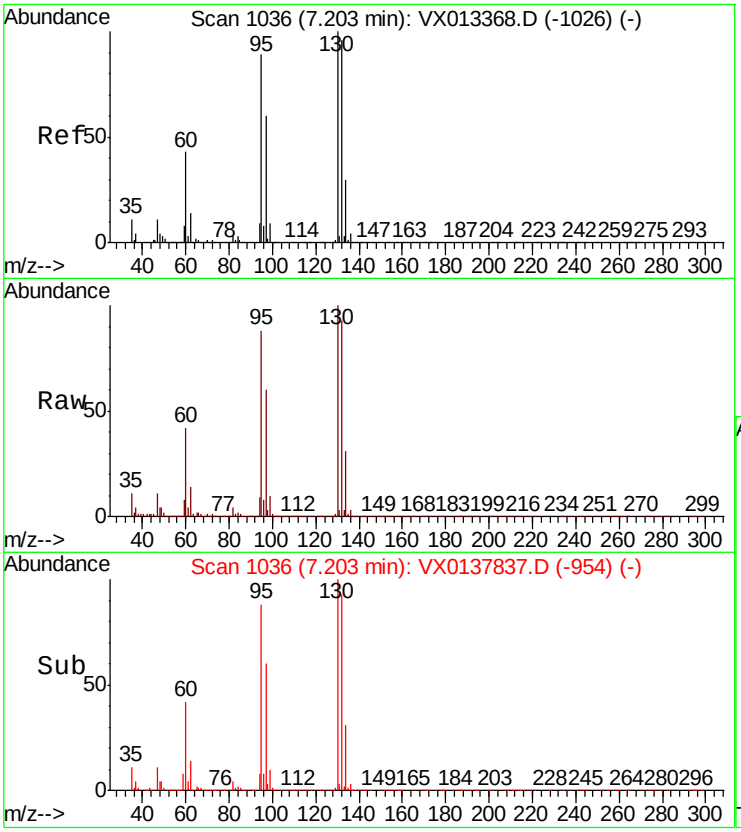




#36
1,2-Dichloroethane
Concen: 18.915 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

Tgt Ion: 62 Resp: 191513

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 10.1 | 8.2 | 12.2 |



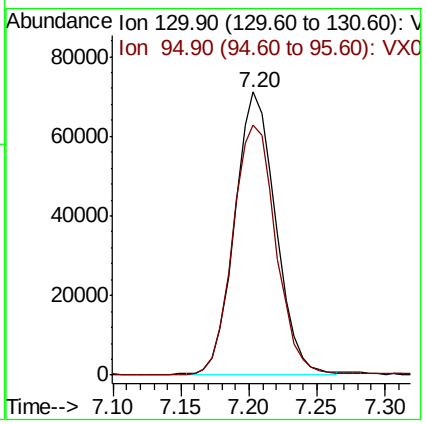


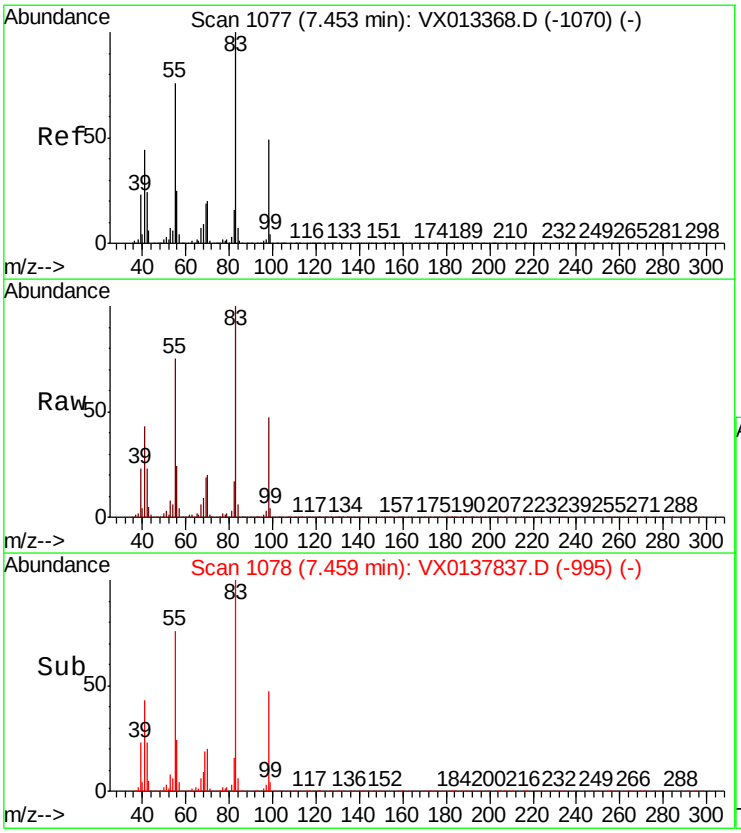

#37
Trichloroethene
Concen: 19.261 ug/l
RT: 7.20 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

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

Tgt Ion:130 Resp: 149263

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 88.3 | 71.3 | 106.9 |

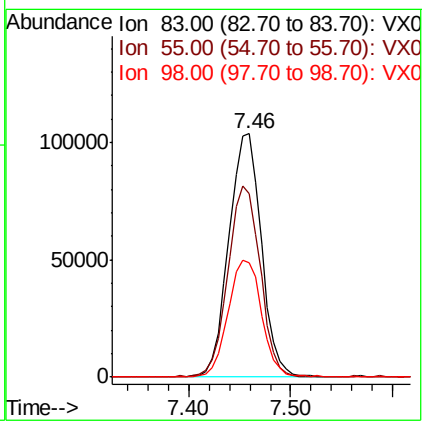


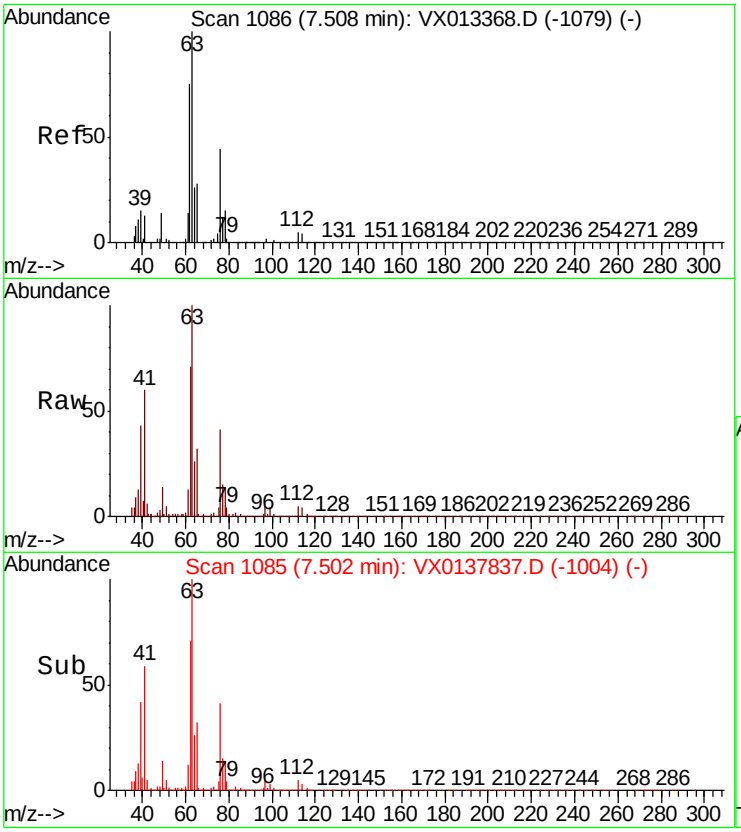




#38
Methylcyclohexane
Concen: 19.482 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.01 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

Tgt Ion: 83 Resp: 227815

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 77.4 | 37.9 | 113.7 |
| 98 | 49.4 | 25.1 | 75.3 |



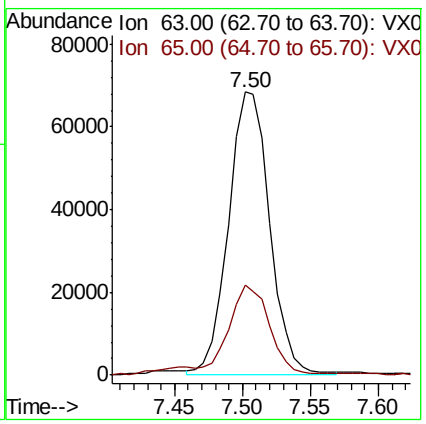


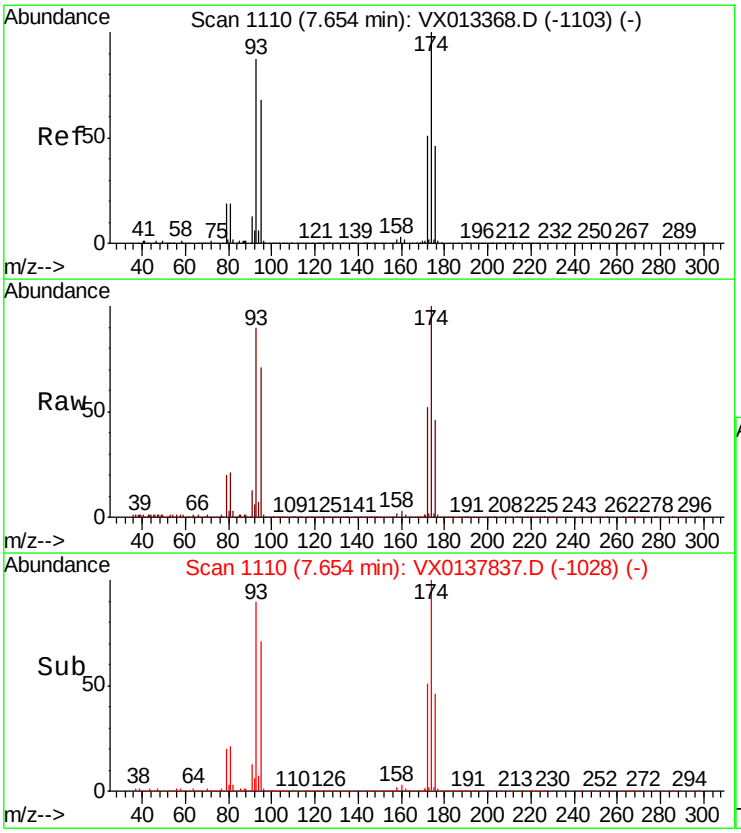

#39
1,2-Dichloropropane
Concen: 19.120 ug/l
RT: 7.50 min Scan# 1085
Delta R.T. -0.01 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

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

Tgt Ion: 63 Resp: 143005

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.3 | 23.8 | 35.8 |

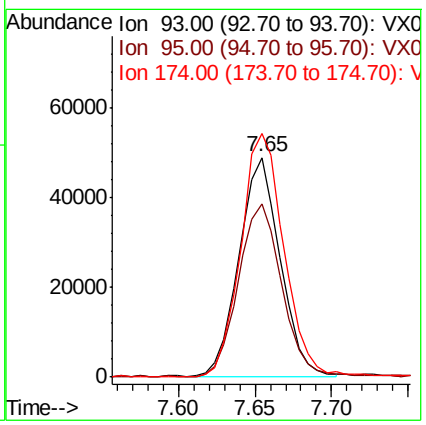


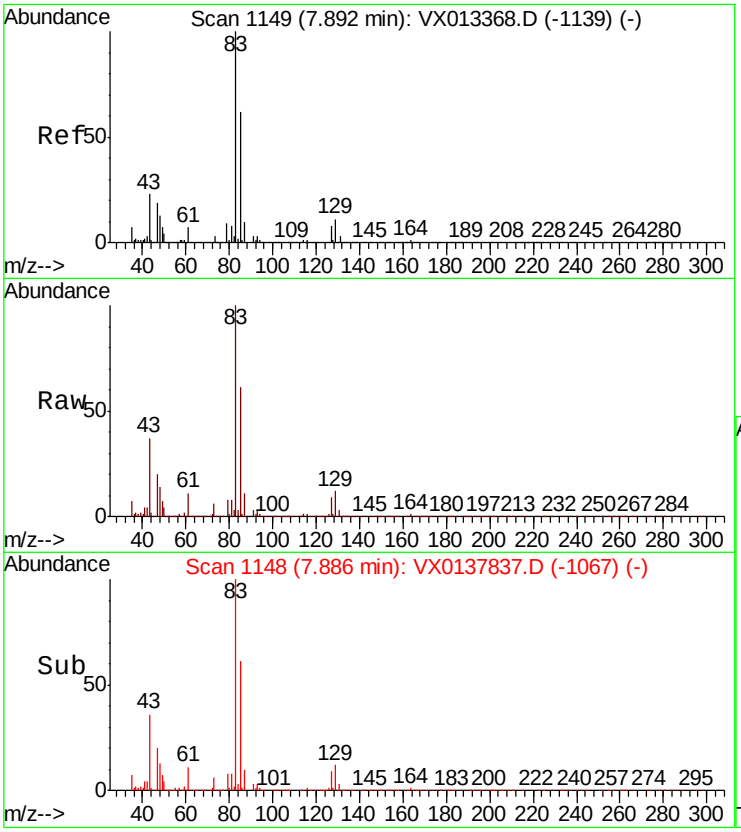




#40
Dibromomethane
Concen: 18.380 ug/l
RT: 7.65 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

Tgt Ion: 93 Resp: 91486

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.0 | 0.0 | 160.8 |
| 174 | 115.5 | 0.0 | 228.8 |



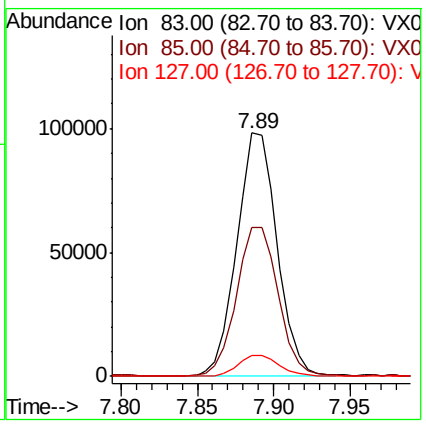


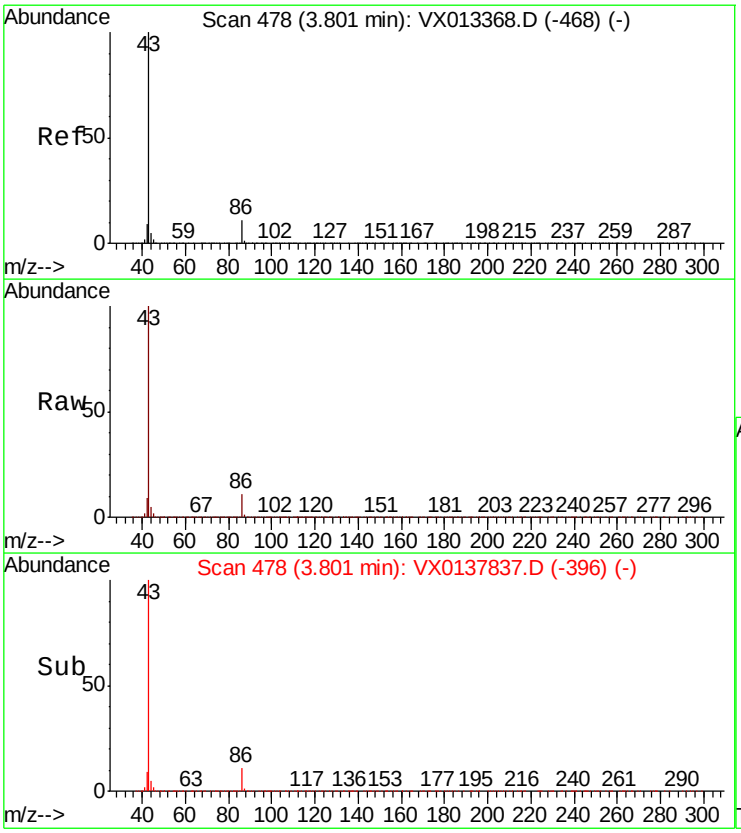

#41
Bromodichloromethane
Concen: 18.459 ug/l
RT: 7.89 min Scan# 1148
Delta R.T. -0.01 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

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

Tgt Ion: 83 Resp: 179363

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 60.9 | 49.3 | 73.9 |
| 127 | 8.4 | 6.6 | 10.0 |

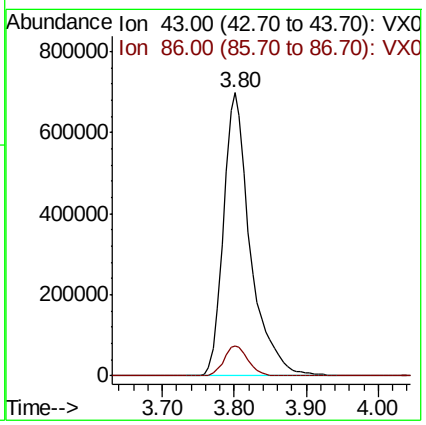


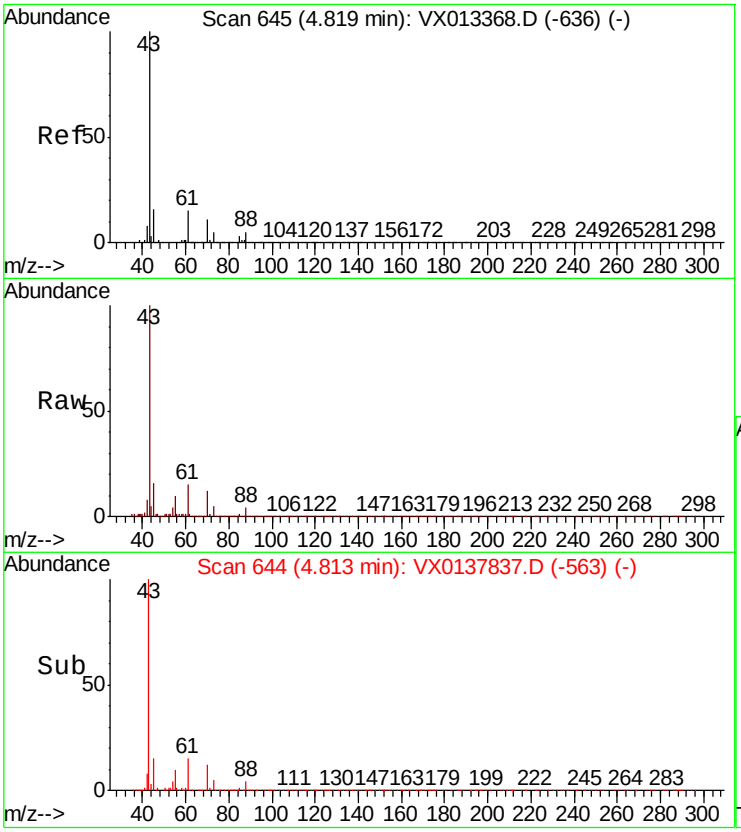




#42
Vinyl Acetate
Concen: 91.252 ug/l
RT: 3.80 min Scan# 478
Delta R.T. -0.00 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

Tgt Ion: 43 Resp: 1808442

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 9.5 | 7.6 | 11.4 |



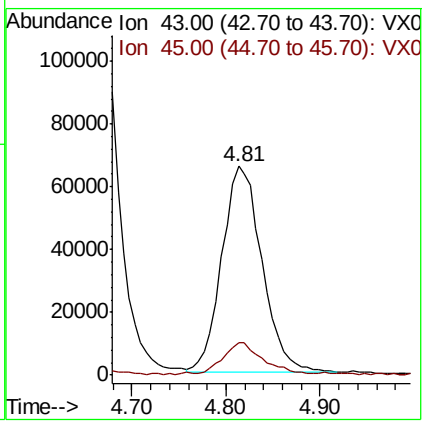


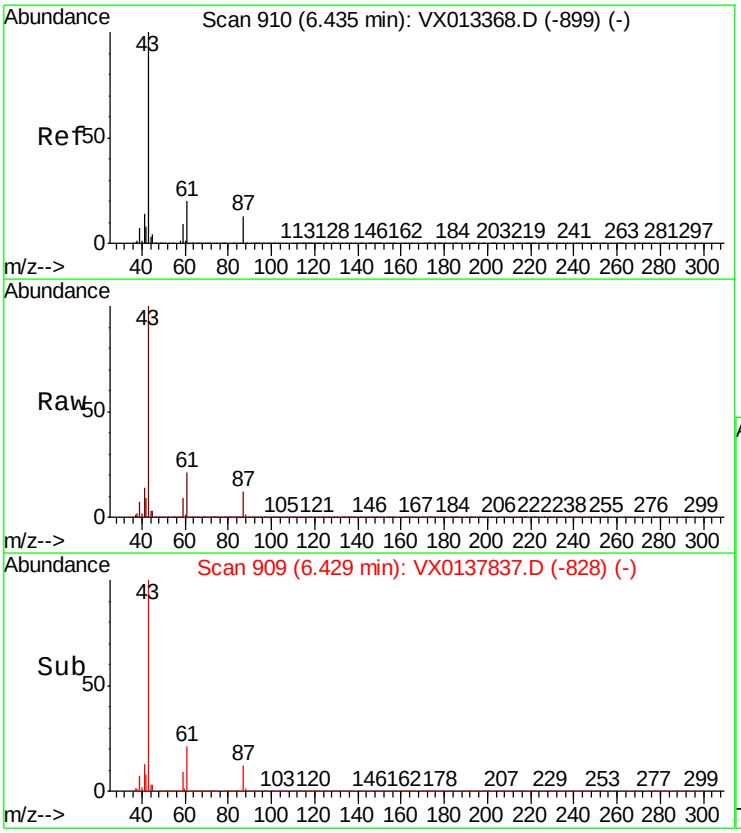

#43
Ethyl Acetate
Concen: 16.956 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.01 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

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

Tgt Ion: 43 Resp: 194665

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 45 | 15.2 | 10.9 | 16.3 |

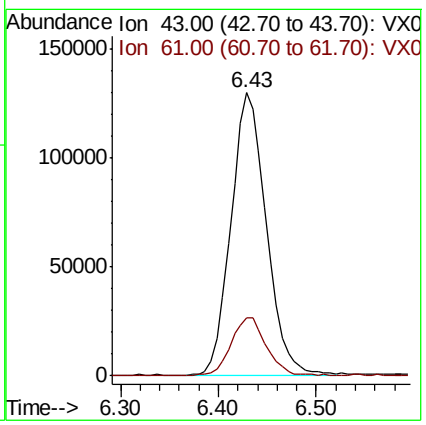


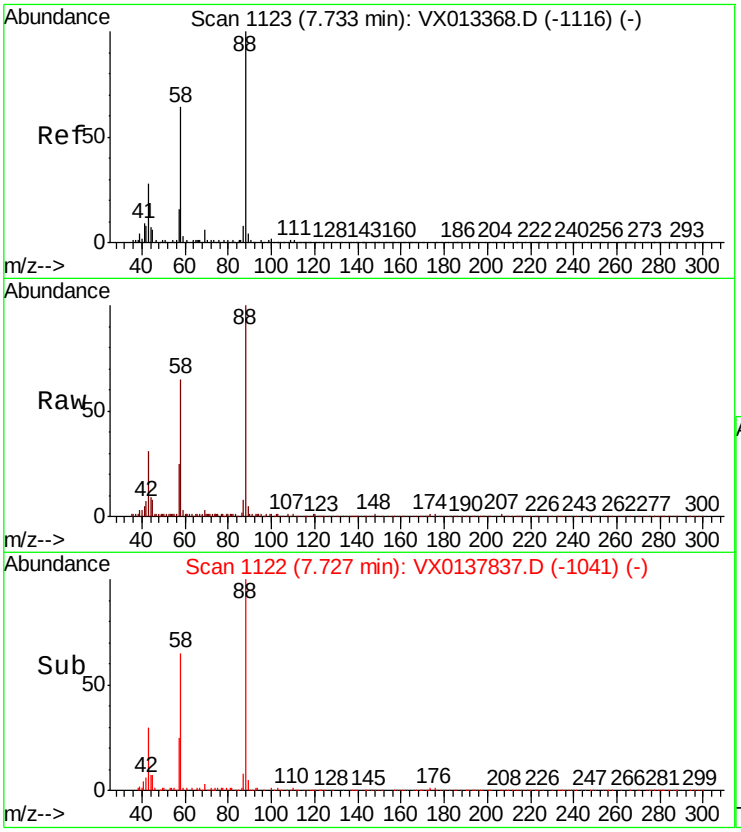




#44
Isopropyl Acetate
Concen: 17.595 ug/l
RT: 6.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

Tgt Ion: 43 Resp: 324703

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 20.4 | 15.8 | 23.8 |



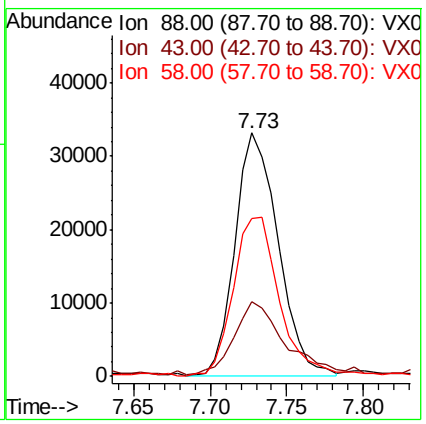


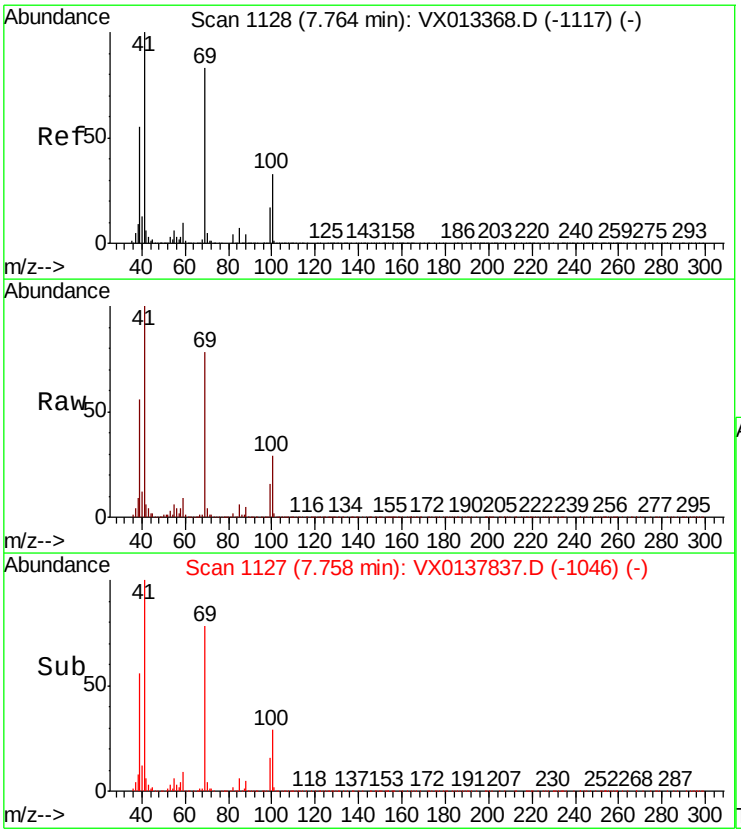

#45
1,4-Dioxane
Concen: 317.686 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

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

Tgt Ion: 88 Resp: 64728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 34.5 | 26.1 | 39.1 |
| 58 | 70.3 | 55.8 | 83.8 |

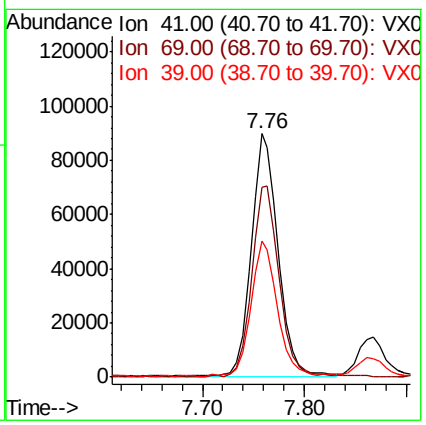


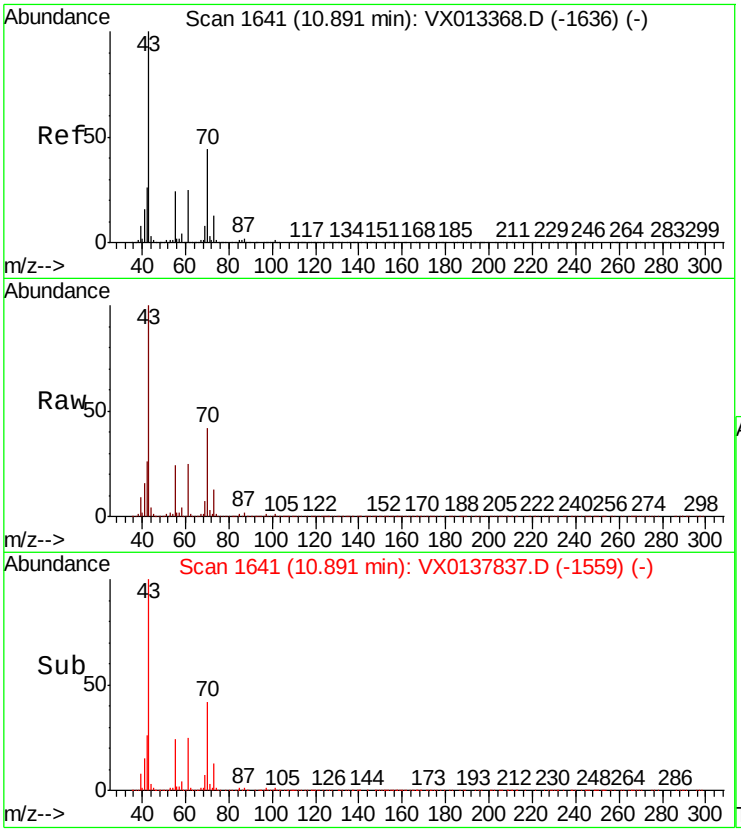




#46
Methyl methacrylate
Concen: 17.874 ug/l
RT: 7.76 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

Tgt Ion: 41 Resp: 164081

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 78.2 | 41.4 | 124.4 |
| 39 | 55.4 | 27.9 | 83.6 |



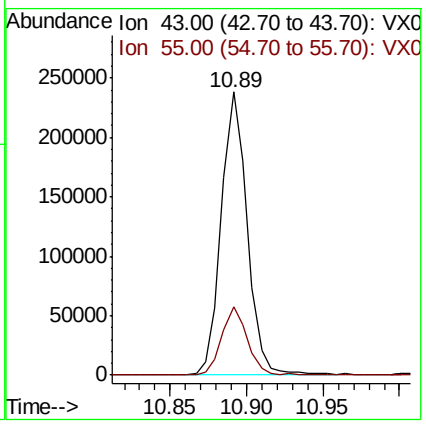


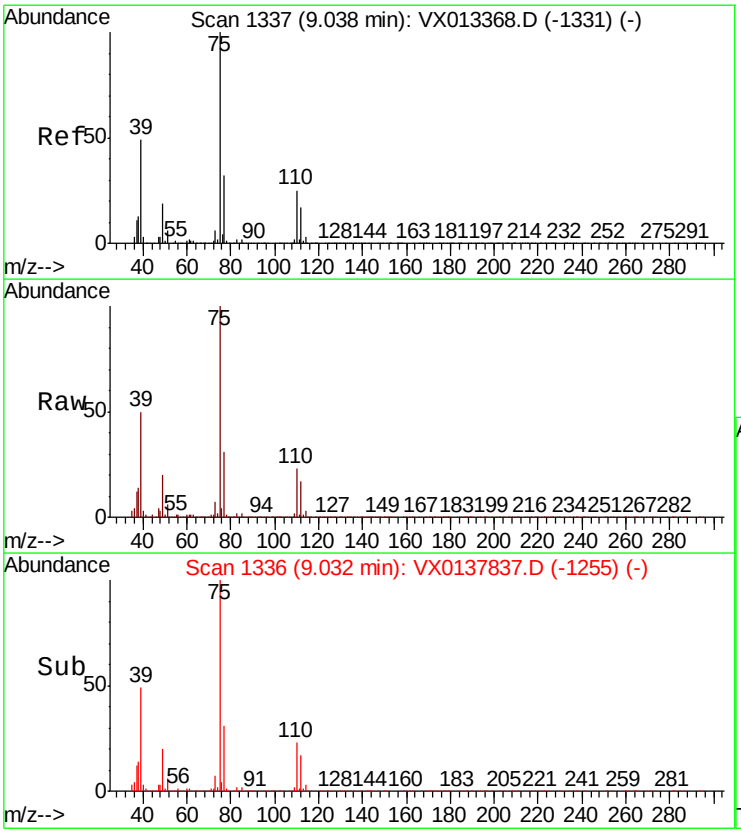

#47
n-amyl Acetate
Concen: 17.253 ug/l
RT: 10.89 min Scan# 1641
Delta R.T. -0.00 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

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

Tgt Ion: 43 Resp: 279280

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 55 | 23.9 | 19.0 | 28.4 |

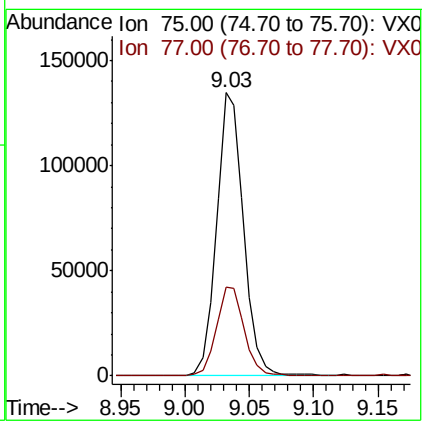


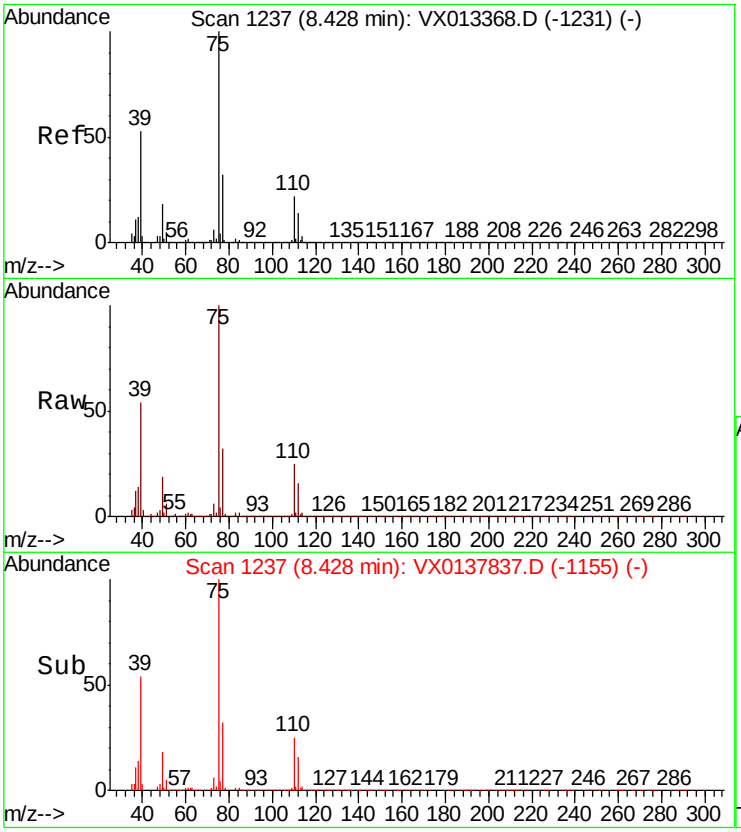




#48
t-1,3-Dichloropropene
Concen: 18.053 ug/l
RT: 9.03 min Scan# 1336
Delta R.T. -0.01 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

Tgt Ion: 75 Resp: 196700

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.4 | 25.3 | 37.9 |



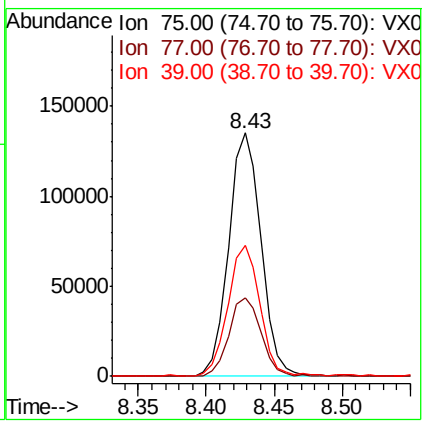


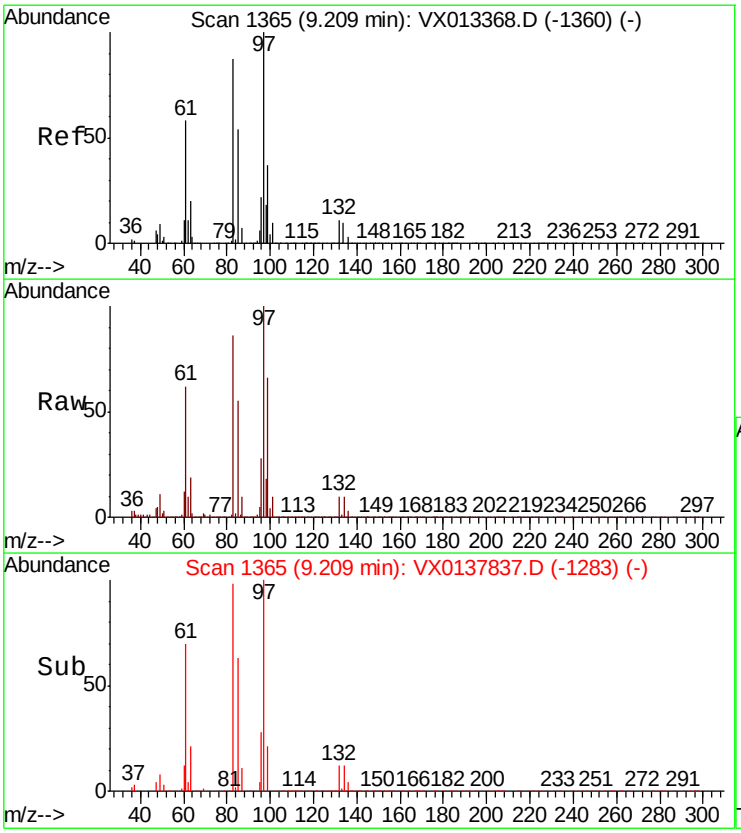

#49
cis-1,3-Dichloropropene
Concen: 18.634 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

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

Tgt Ion: 75 Resp: 222477

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.3 | 25.8 | 38.8 |
| 39 | 53.8 | 42.2 | 63.4 |

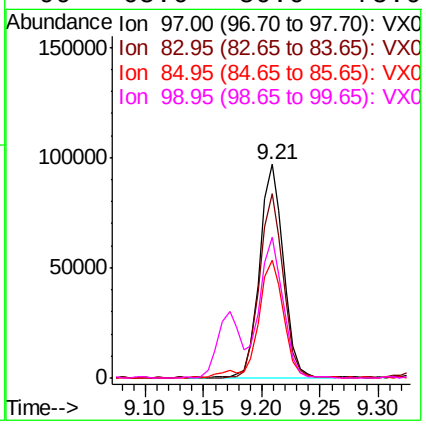


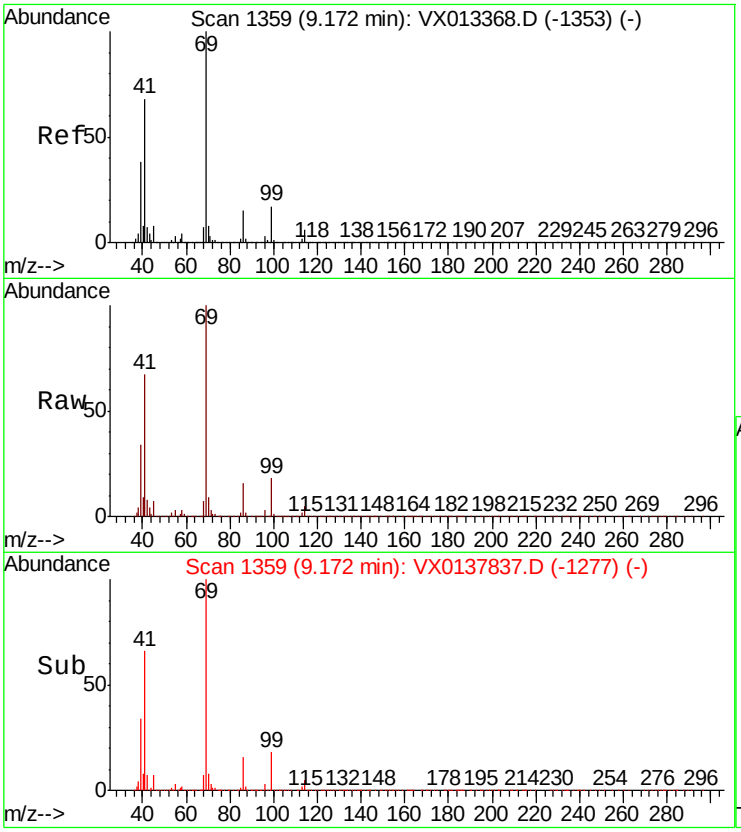




#50
1,1,2-Trichloroethane
Concen: 18.846 ug/l
RT: 9.21 min Scan# 1365
Delta R.T. -0.00 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

Tgt Ion: 97 Resp: 138813

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 86.0 | 69.6 | 104.4 |
| 85 | 55.1 | 45.5 | 68.3 |
| 99 | 65.6 | 50.0 | 75.0 |



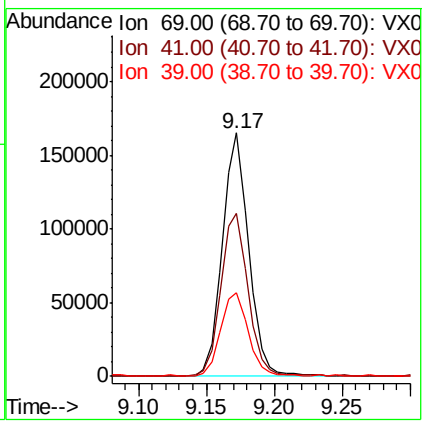


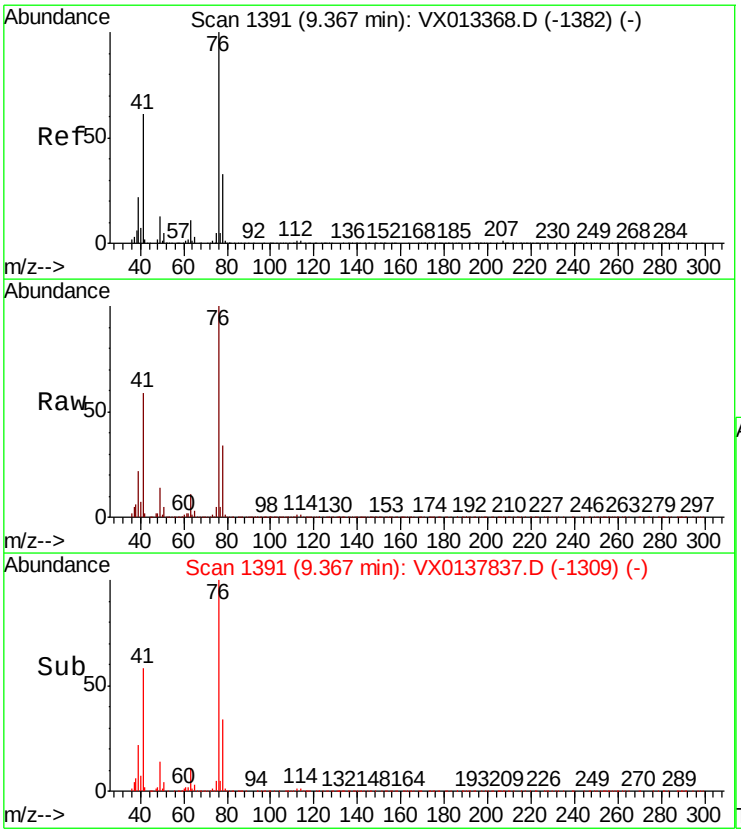

#51
Ethyl methacrylate
Concen: 18.089 ug/l
RT: 9.17 min Scan# 1359
Delta R.T. -0.00 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

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

Tgt Ion: 69 Resp: 219377

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 67.0 | 33.9 | 101.6 |
| 39 | 34.2 | 18.8 | 56.4 |

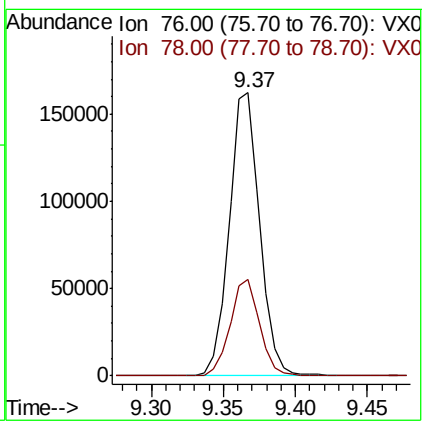


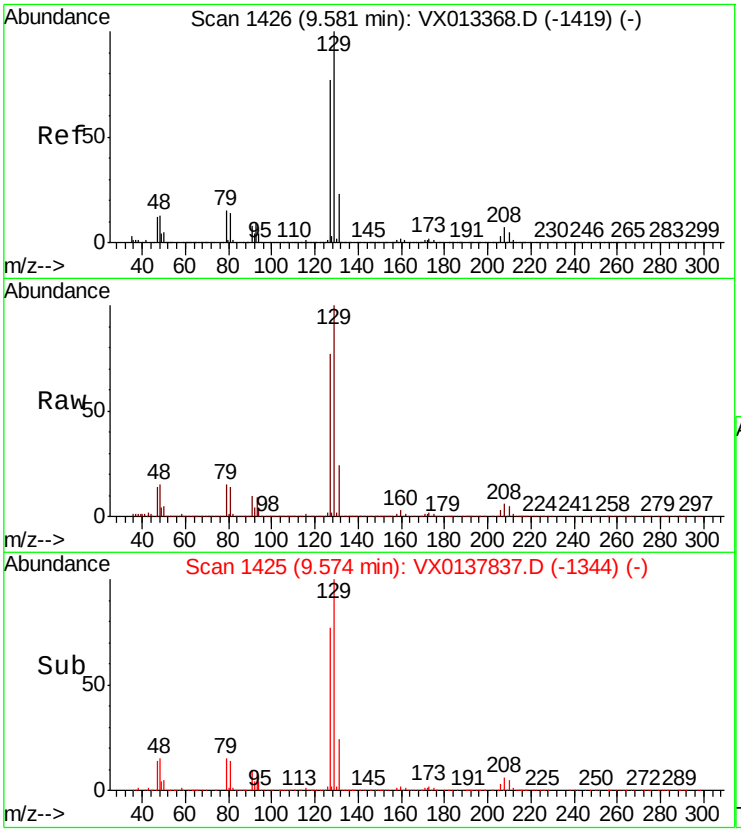




#52
1,3-Dichloropropane
Concen: 18.985 ug/l
RT: 9.37 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

Tgt Ion: 76 Resp: 239056

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.8 | 0.0 | 63.6 |



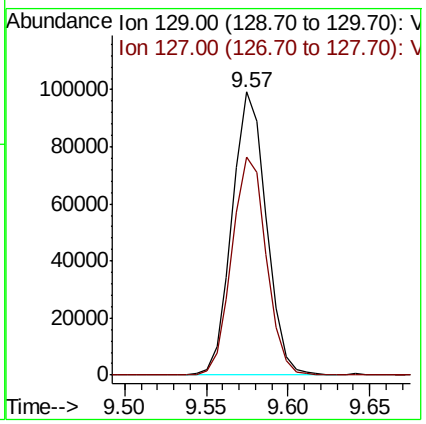


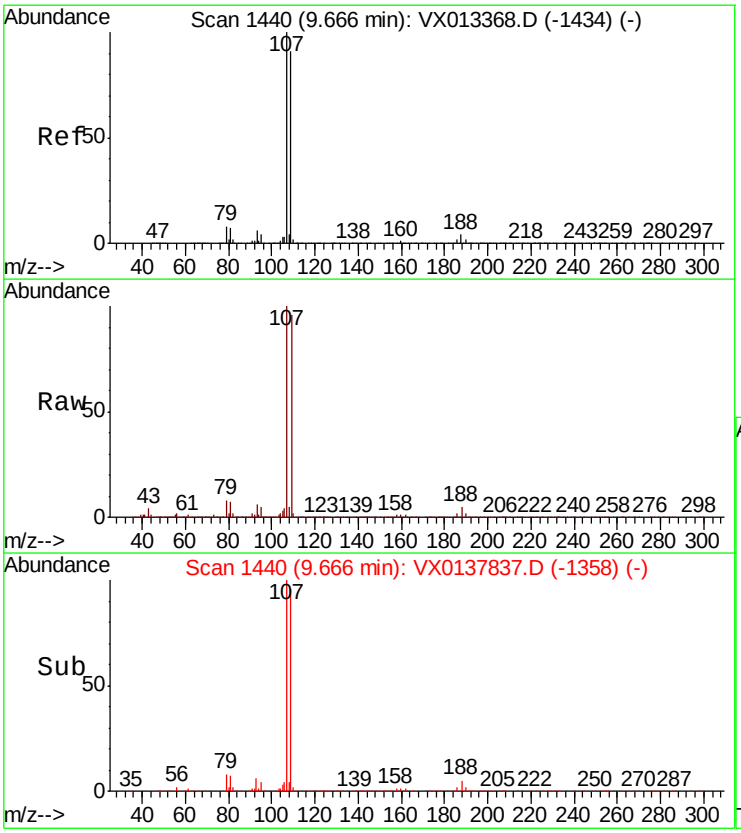

#53
Dibromochloromethane
Concen: 18.547 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.01 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

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

Tgt Ion:129 Resp: 144789

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.8 | 39.6 | 119.0 |

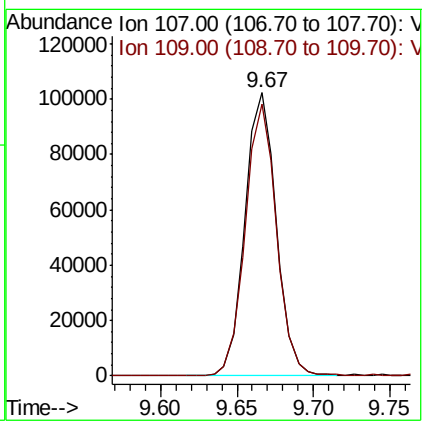


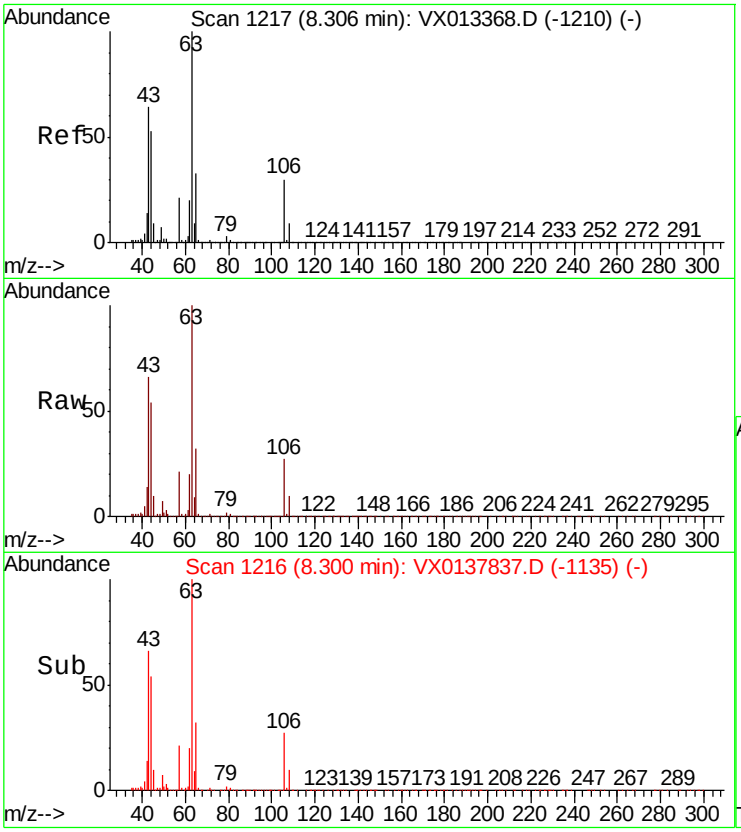




#54
1,2-Dibromoethane
Concen: 18.547 ug/l
RT: 9.67 min Scan# 1440
Delta R.T. -0.00 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

Tgt Ion:107 Resp: 146080

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 95.2 | 73.9 | 110.9 |



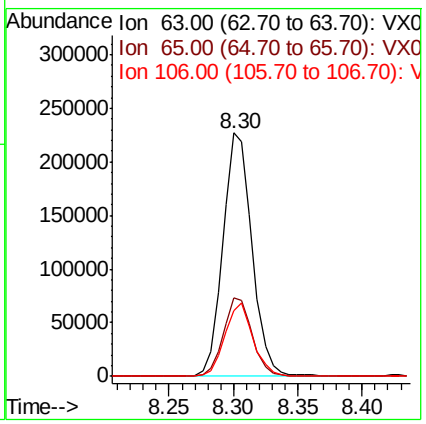


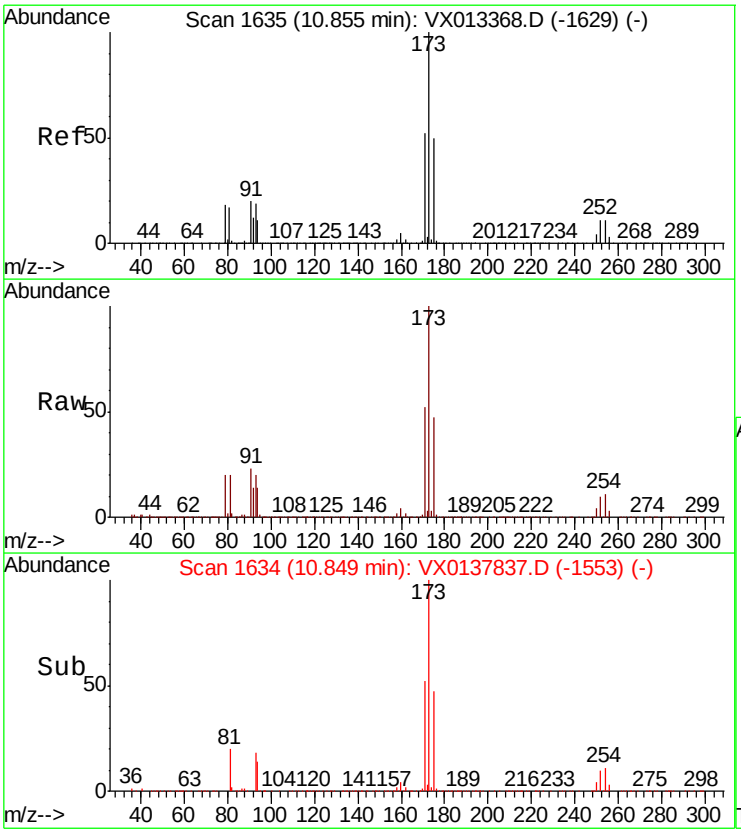

#55
2-Chloroethyl vinyl ether
Concen: 68.937 ug/l
RT: 8.30 min Scan# 1216
Delta R.T. -0.01 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

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

Tgt Ion: 63 Resp: 357219

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.7 | 26.0 | 39.0 |
| 106 | 29.0 | 23.5 | 35.3 |

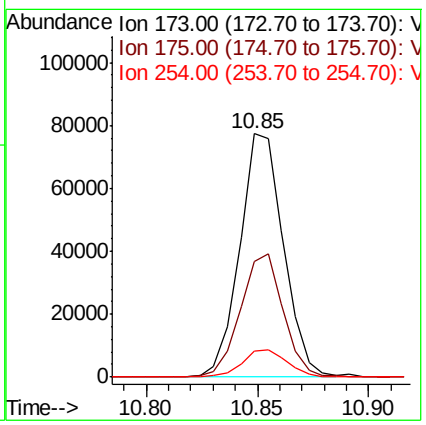


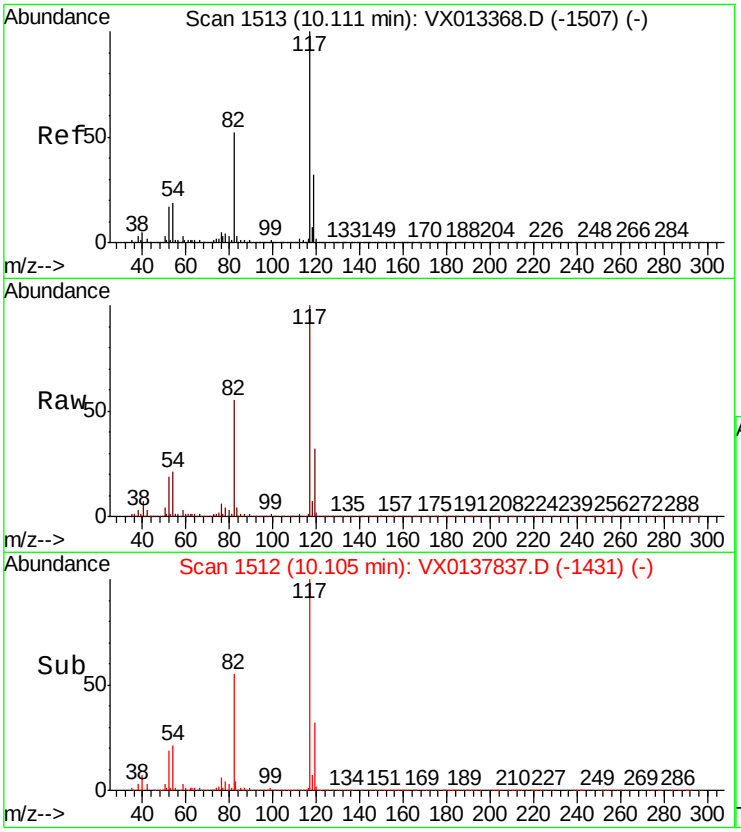




#56
Bromoform
Concen: 16.986 ug/l
RT: 10.85 min Scan# 1634
Delta R.T. -0.01 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

Tgt Ion:173 Resp: 105527

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 50.2 | 39.4 | 59.0 |
| 254 | 11.6 | 8.6 | 12.8 |



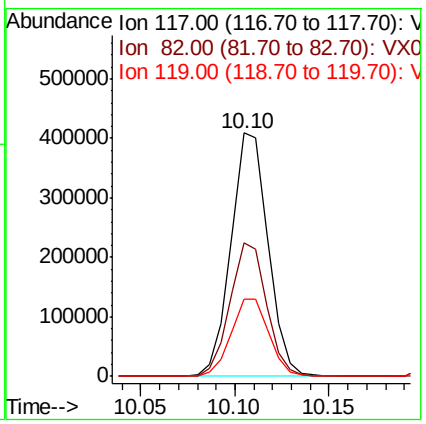


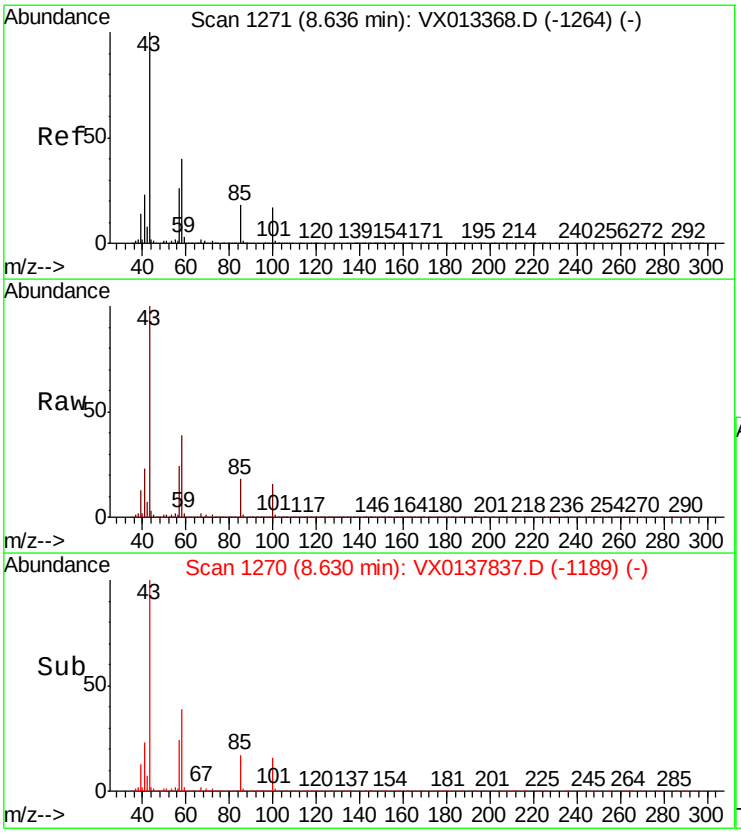

#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

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

Tgt Ion:117 Resp: 557986

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 54.0 | 43.7 | 65.5 |
| 119 | 32.4 | 25.5 | 38.3 |

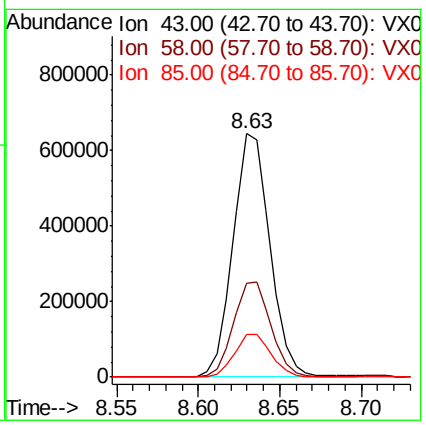


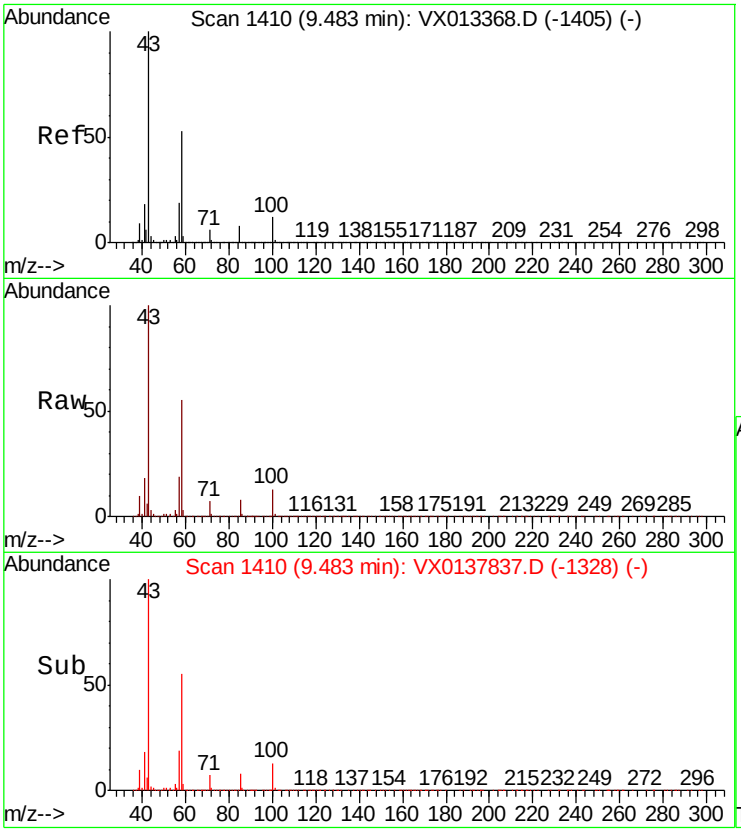




#58
4-Methyl-2-Pentanone
Concen: 87.433 ug/l
RT: 8.63 min Scan# 1270
Delta R.T. -0.01 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

Tgt Ion: 43 Resp: 1019161

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 39.4 | 31.6 | 47.4 |
| 85 | 17.6 | 14.2 | 21.2 |



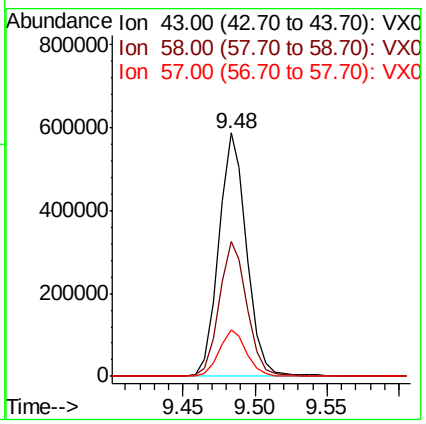


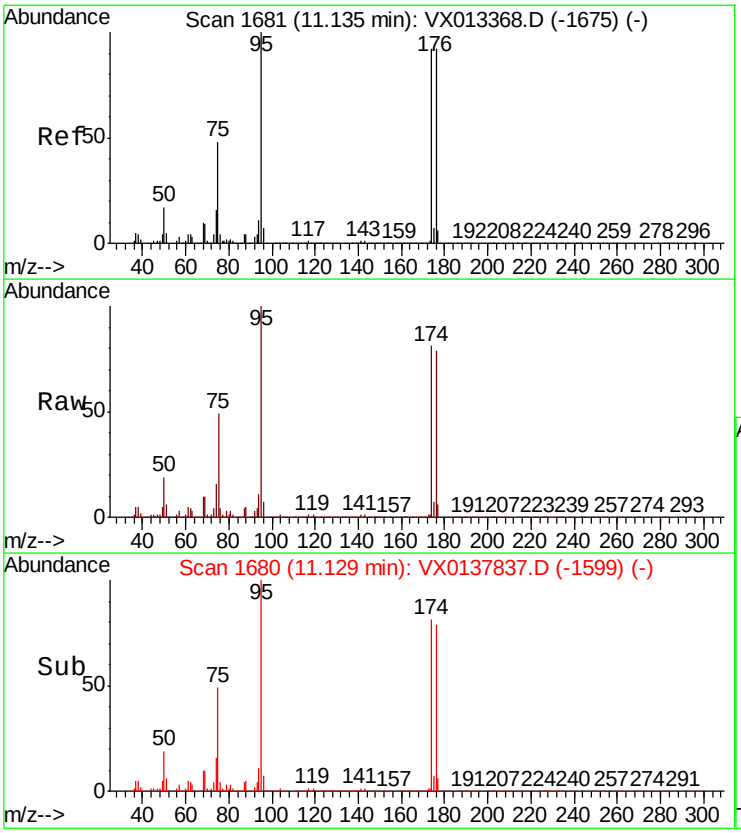

#59
2-Hexanone
Concen: 86.055 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

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

Tgt Ion: 43 Resp: 793680

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 55.4 | 43.8 | 65.6 |
| 57 | 18.7 | 15.1 | 22.7 |

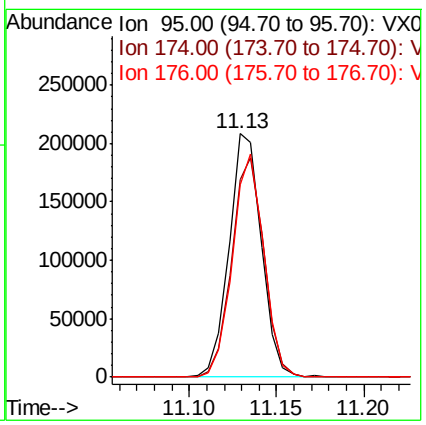


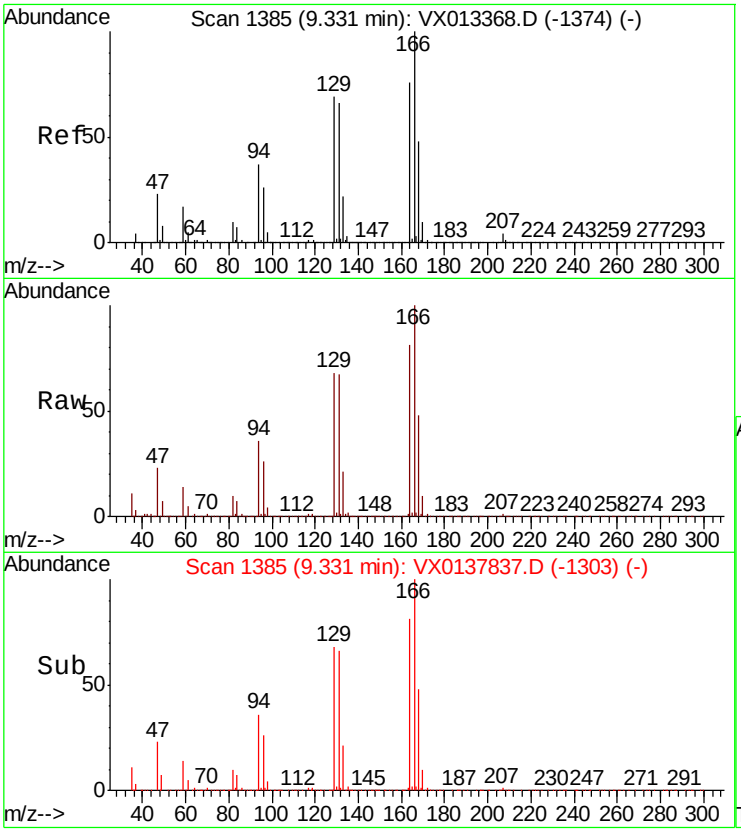




#60
4-Bromofluorobenzene
Concen: 29.893 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

Tgt Ion: 95 Resp: 268095

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 89.4 | 70.2 | 105.2 |
| 176 | 88.6 | 68.3 | 102.5 |



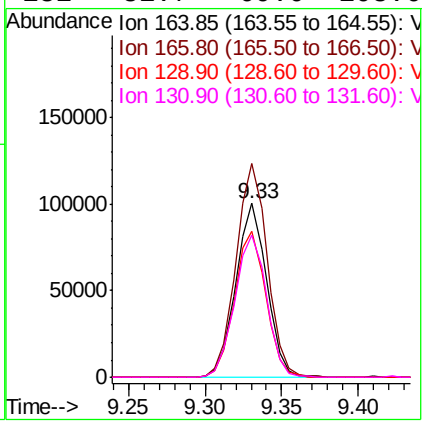


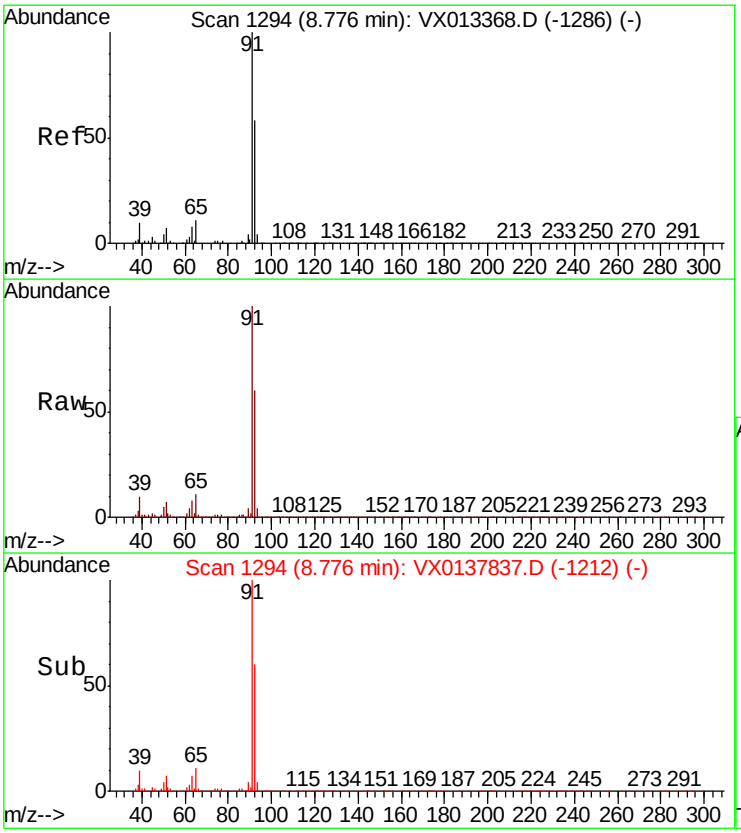

#61
Tetrachloroethene
Concen: 20.402 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

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

Tgt Ion:164 Resp: 140377

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 122.7 | 104.9 | 157.3 |
| 129 | 83.6 | 72.3 | 108.5 |
| 131 | 81.7 | 69.0 | 103.6 |

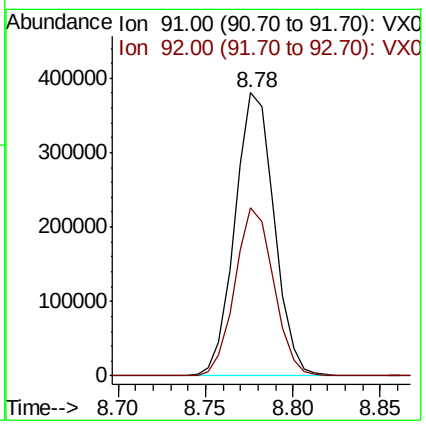


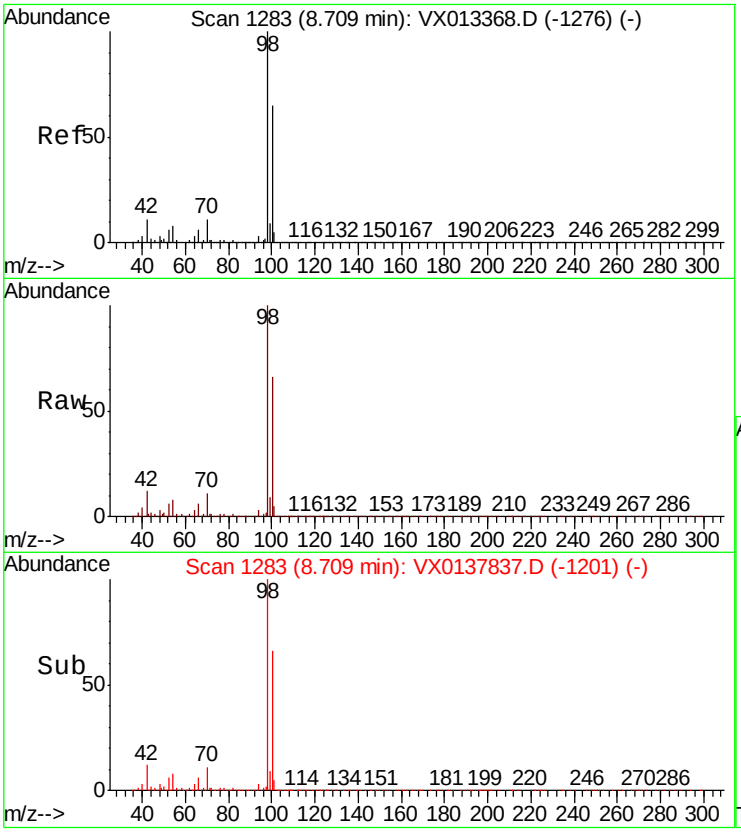




#62
Toluene
Concen: 19.054 ug/l
RT: 8.78 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

Tgt Ion: 91 Resp: 592210

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 58.9 | 46.6 | 69.8 |



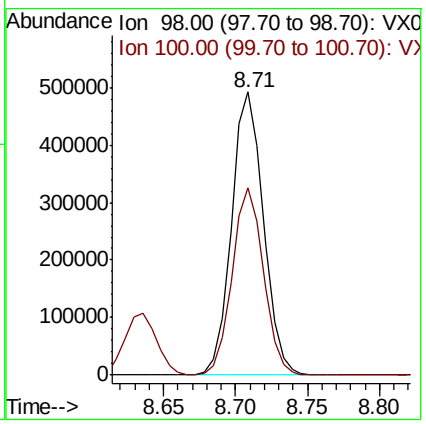


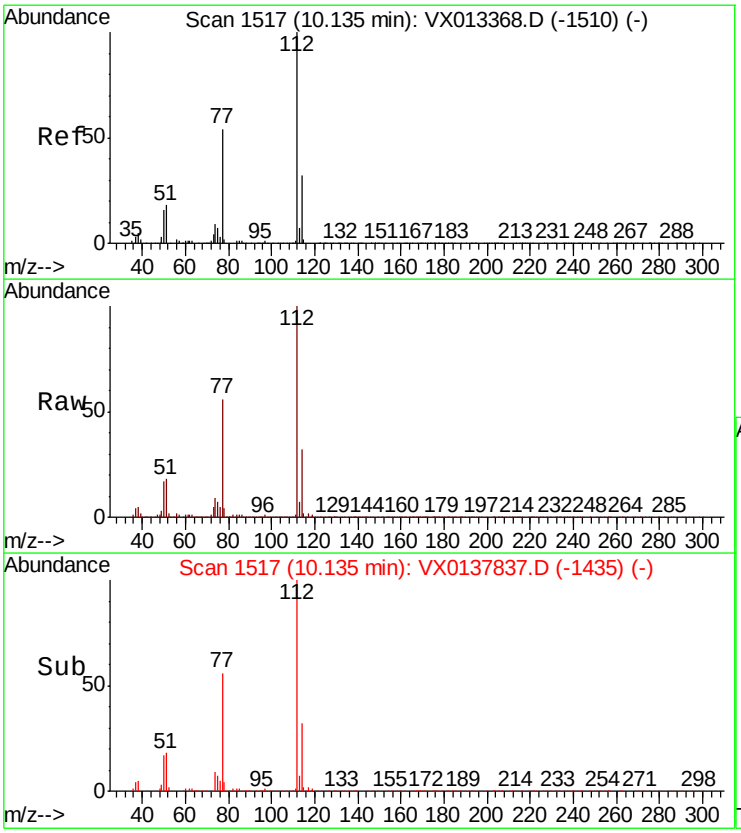

#63
Toluene-d8
Concen: 30.010 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

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

Tgt Ion: 98 Resp: 757214

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.2 | 52.5 | 78.7 |

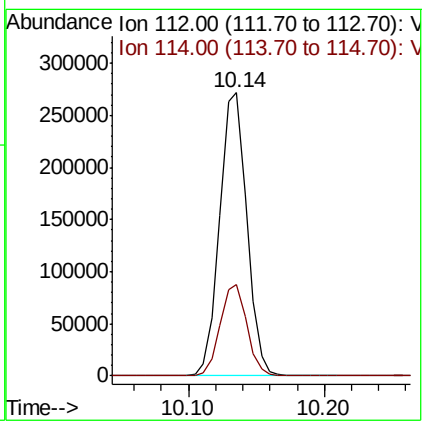


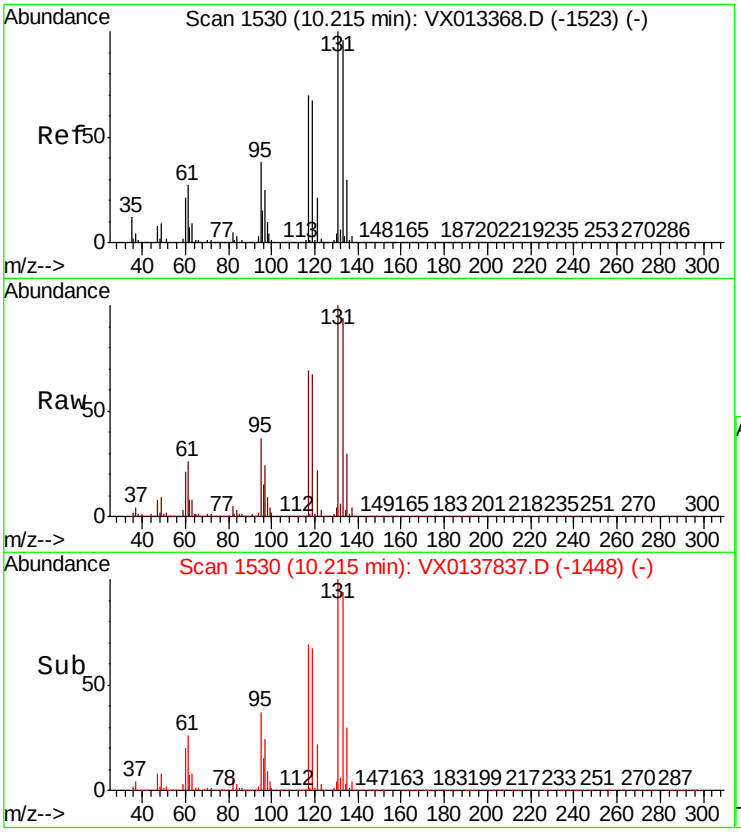




#64
Chlorobenzene
Concen: 19.403 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

Tgt Ion:112 Resp: 377060

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.3 | 25.7 | 38.5 |



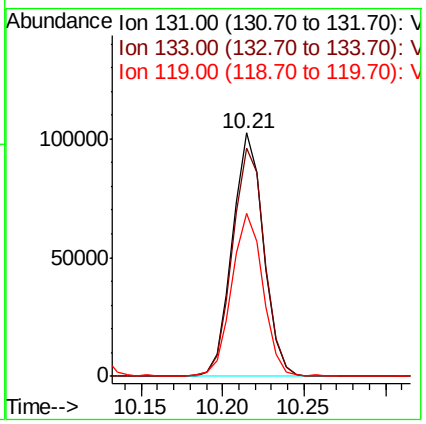


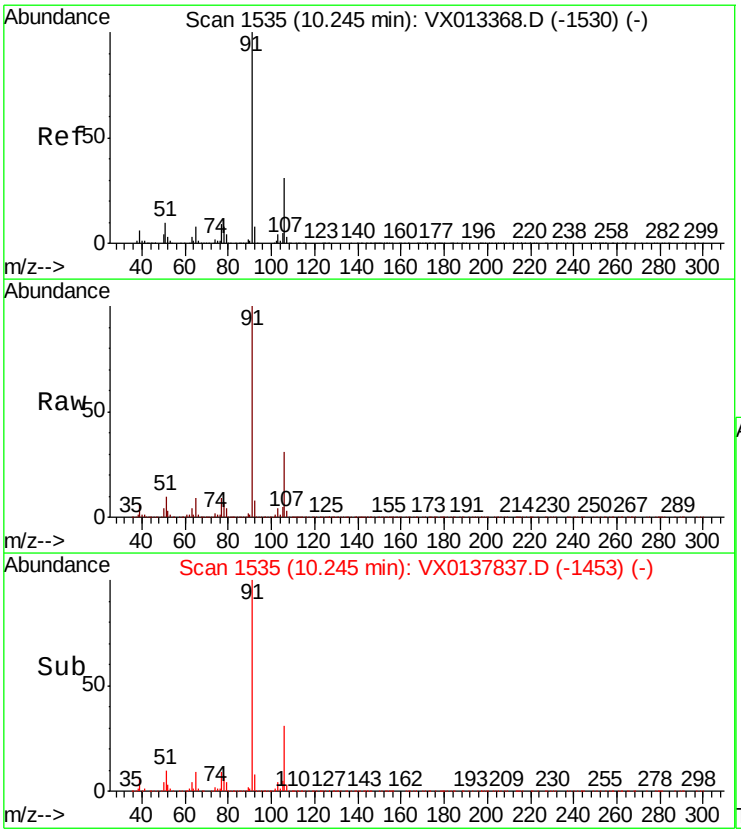

#65
1,1,1,2-Tetrachloroethane
Concen: 18.749 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

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

Tgt Ion:131 Resp: 136386

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 96.1 | 0.0 | 192.2 |
| 119 | 67.1 | 0.0 | 134.4 |

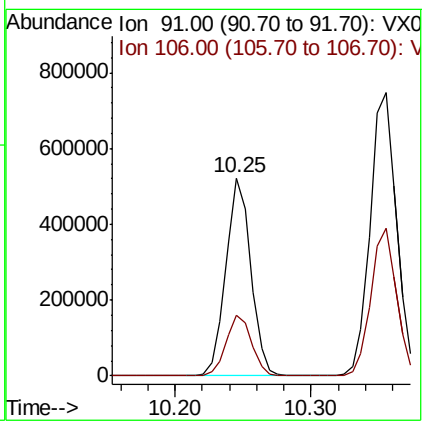


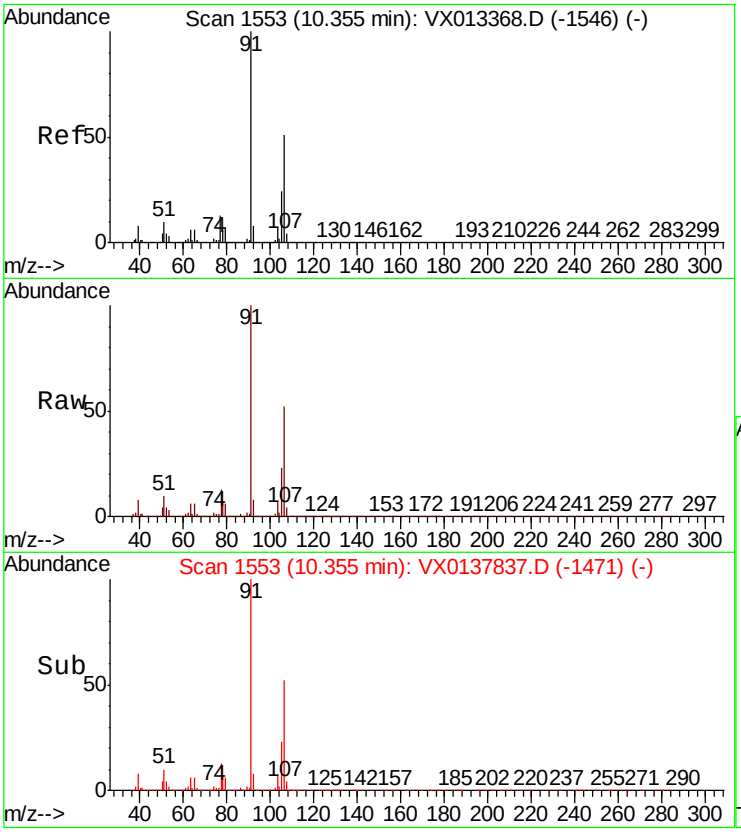




#66
Ethyl Benzene
Concen: 19.489 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

Tgt Ion: 91 Resp: 665466

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 31.0 | 25.0 | 37.4 |



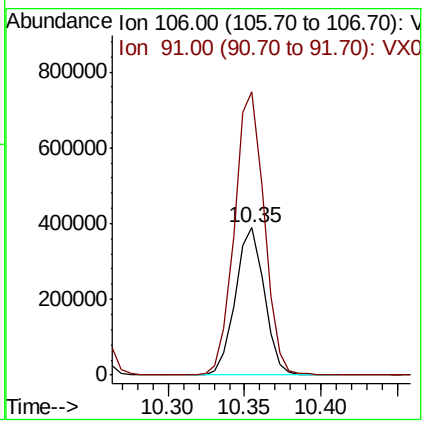


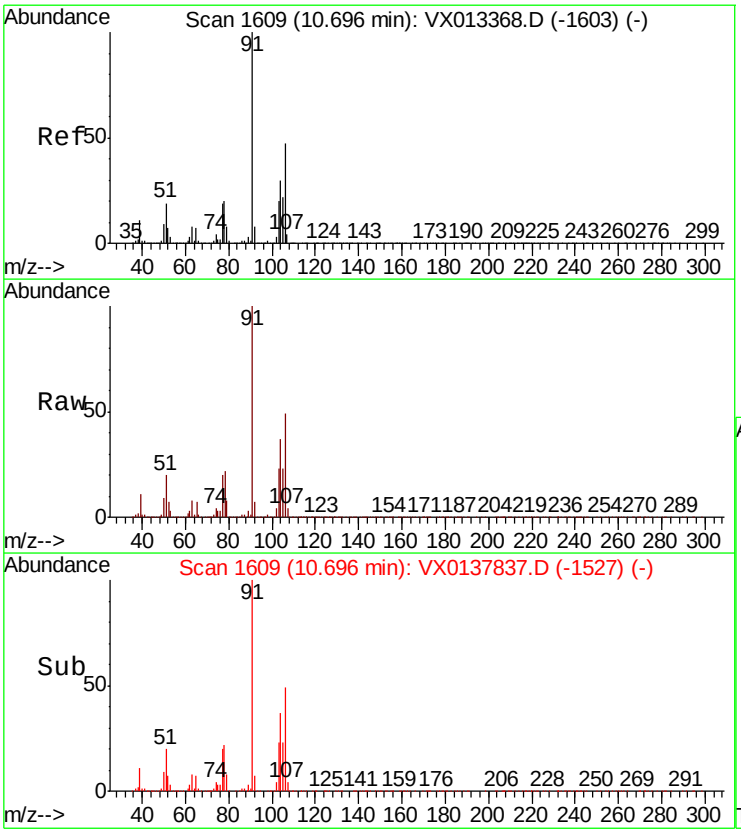

#67
m/p-Xylenes
Concen: 38.687 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

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

Tgt Ion:106 Resp: 509556

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 196.5 | 158.4 | 237.6 |

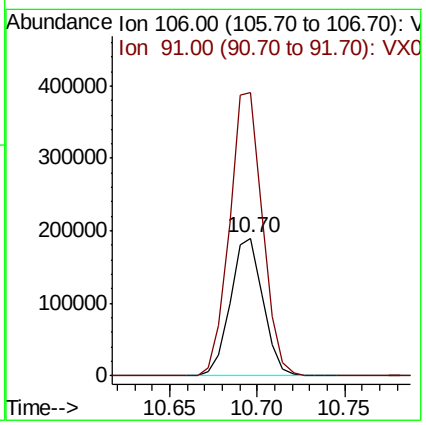


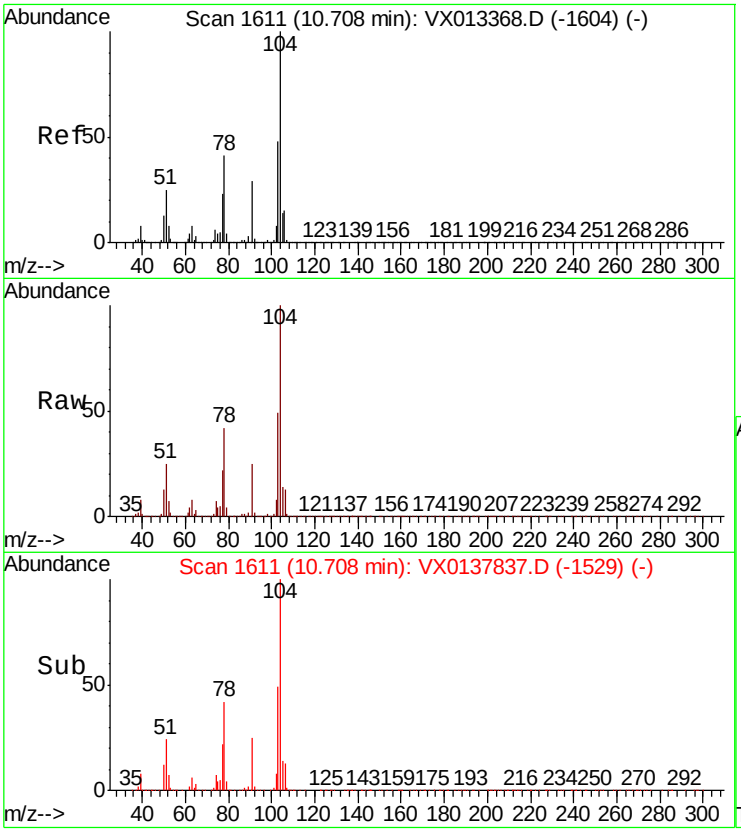




#68
o-Xylene
Concen: 19.321 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

Tgt Ion:106 Resp: 245593

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 208.4 | 106.4 | 319.2 |



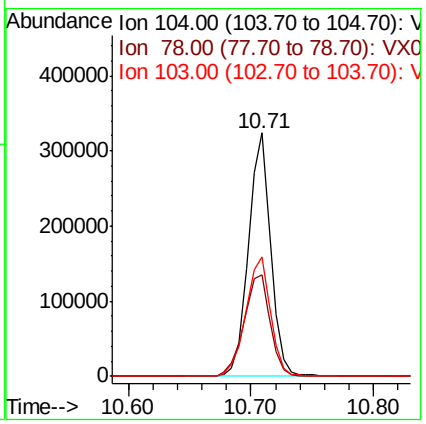


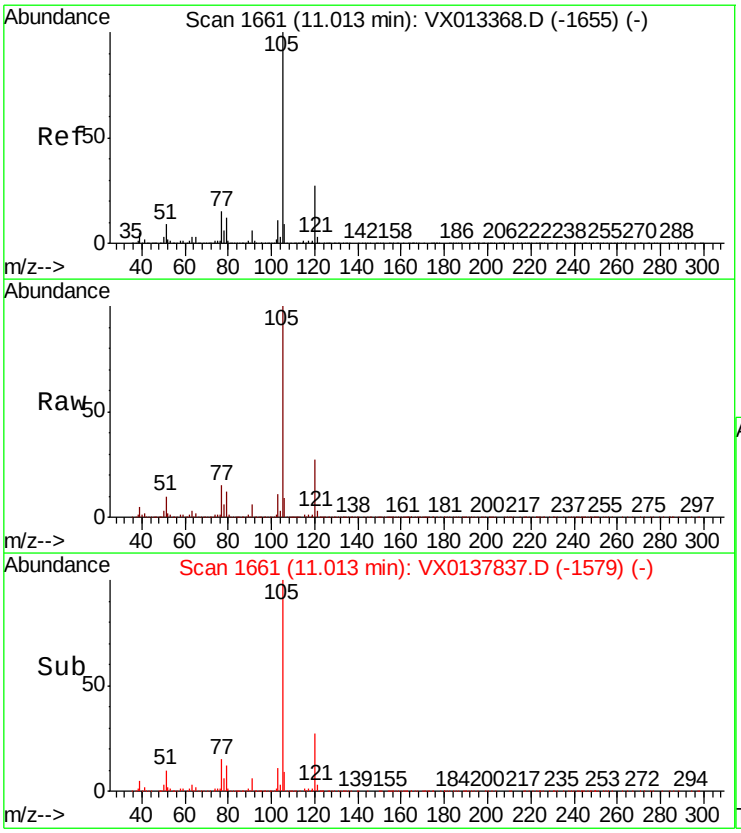

#69
Stvrene
Concen: 19.029 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

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

Tgt Ion:104 Resp: 413049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 48.3 | 38.2 | 57.4 |
| 103 | 54.3 | 43.2 | 64.8 |

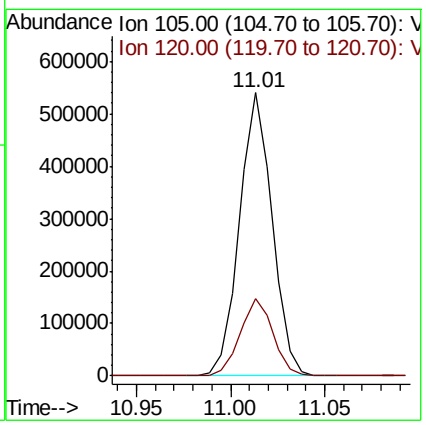


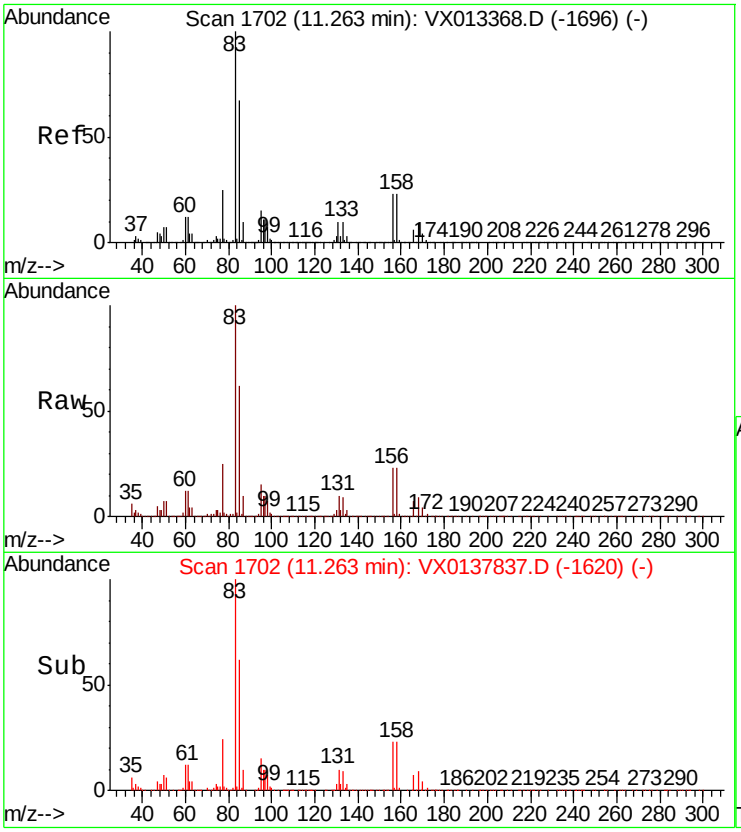




#70
Isopropylbenzene
Concen: 19.343 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

Tgt Ion:105 Resp: 647890

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 27.3 | 18.8 | 34.8 |



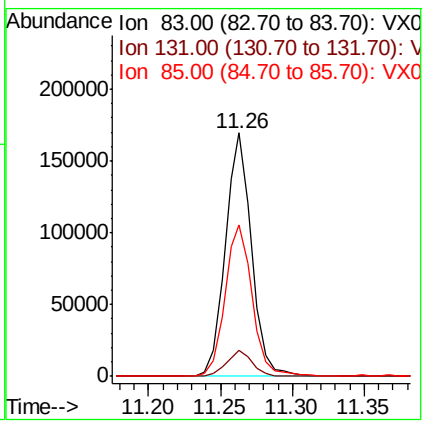


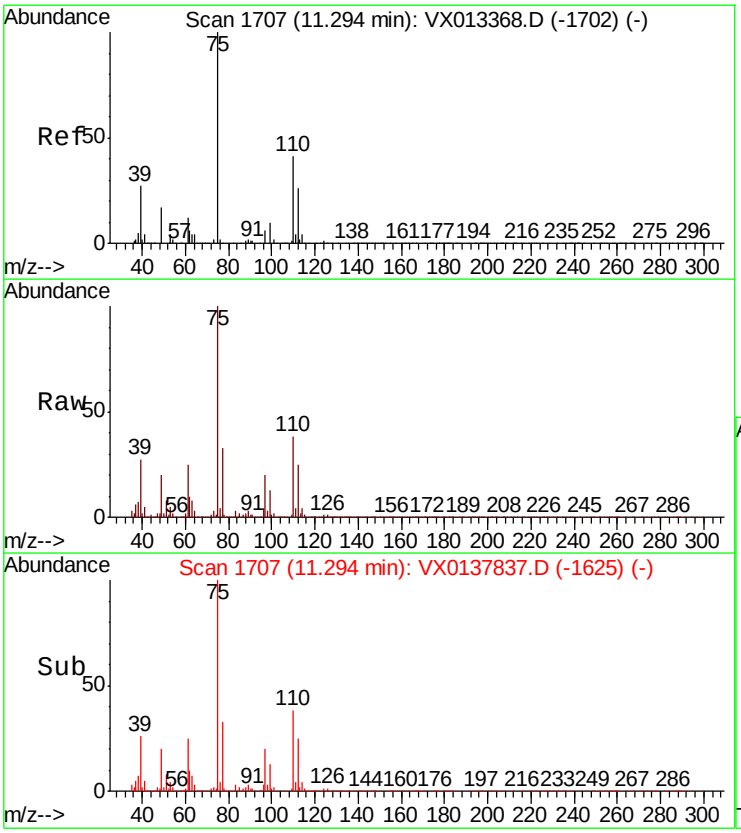

#71
1,1,2,2-Tetrachloroethane
Concen: 18.056 ug/l
RT: 11.26 min Scan# 1702
Delta R.T. -0.00 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

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

Tgt Ion: 83 Resp: 216551

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.4 | 4.7 | 14.1 |
| 85 | 64.5 | 32.6 | 97.7 |

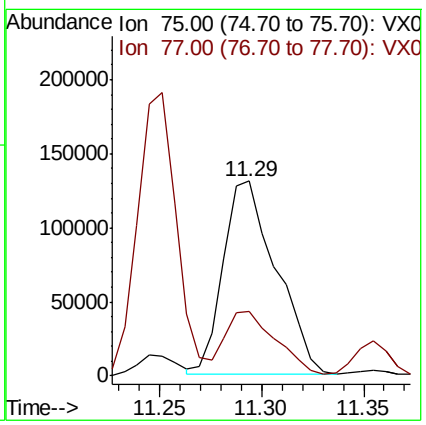


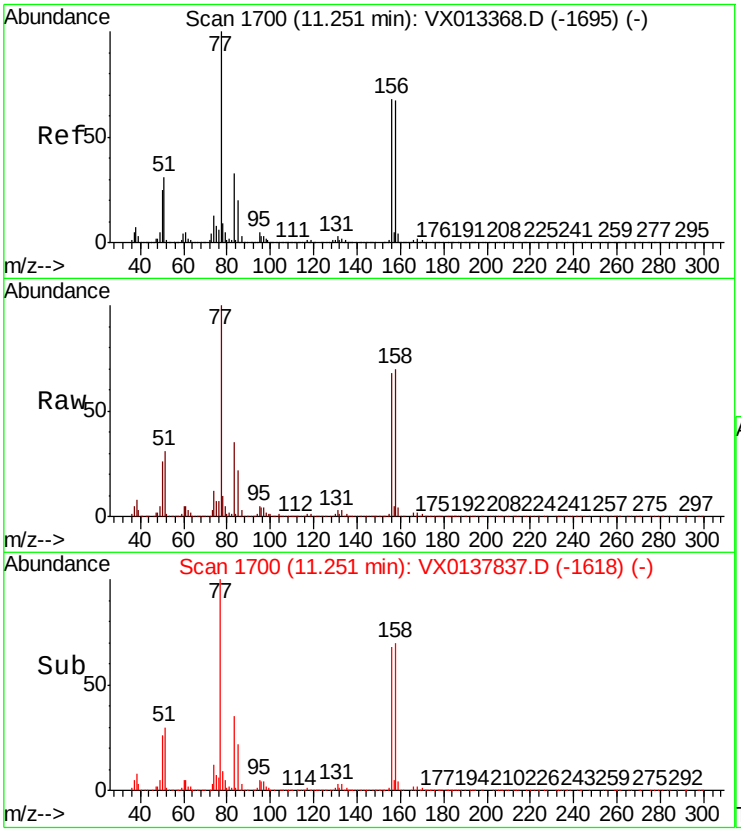




#72
1,2,3-Trichloropropane
Concen: 23.208 ug/l
RT: 11.29 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

Tgt Ion: 75 Resp: 235015

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.2 | 0.0 | 86.2 |



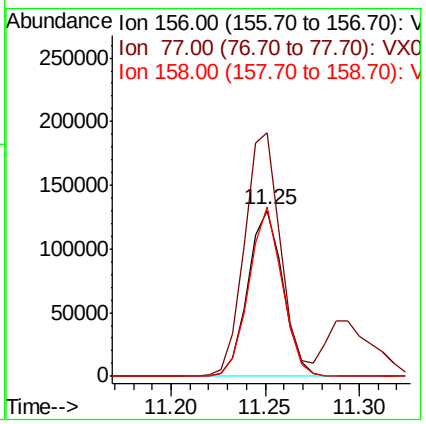


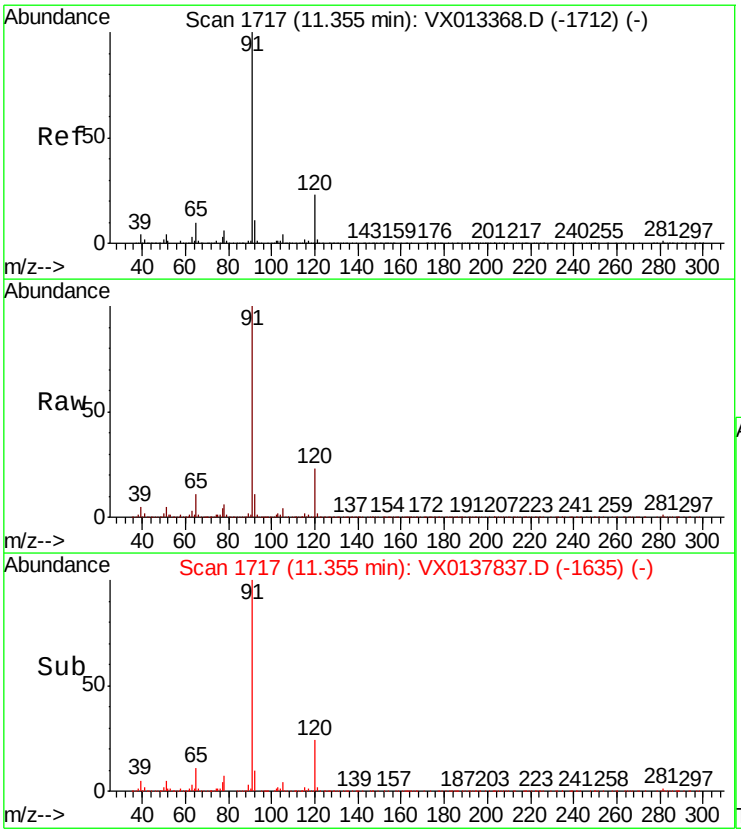

#73
Bromobenzene
Concen: 18.875 ug/l
RT: 11.25 min Scan# 1700
Delta R.T. -0.00 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

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

Tgt Ion:156 Resp: 166725

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 152.3 | 0.0 | 308.8 |
| 158 | 98.1 | 0.0 | 197.0 |

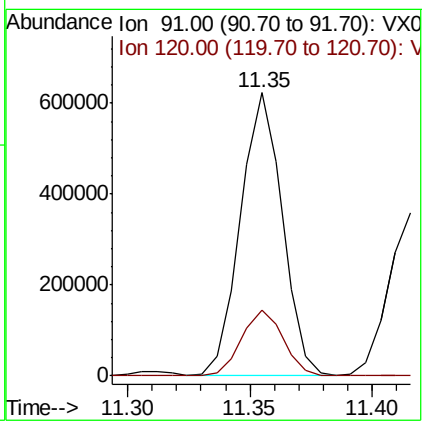


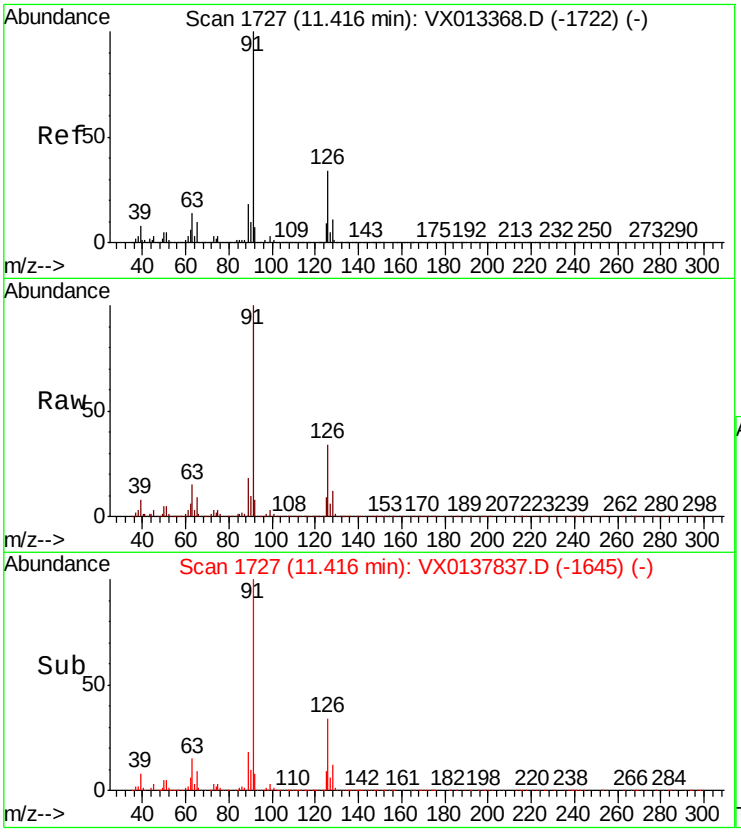




#74
n-propylbenzene
Concen: 19.568 ug/l
RT: 11.35 min Scan# 1717
Delta R.T. -0.00 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

Tgt Ion: 91 Resp: 744850

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 23.2 | 0.0 | 46.2 |



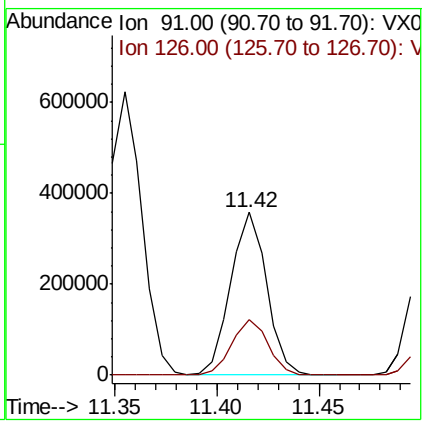


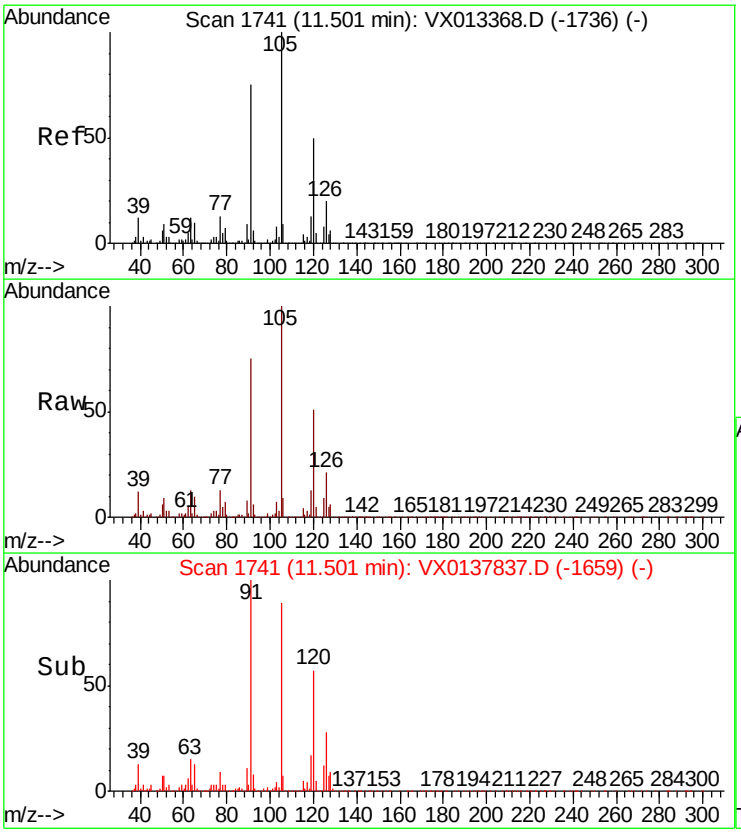

#75
2-Chlorotoluene
Concen: 19.380 ug/l
RT: 11.42 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

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

Tgt Ion: 91 Resp: 438671

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 34.4 | 0.0 | 69.0 |

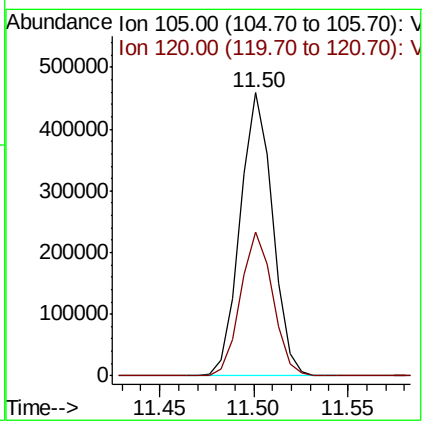


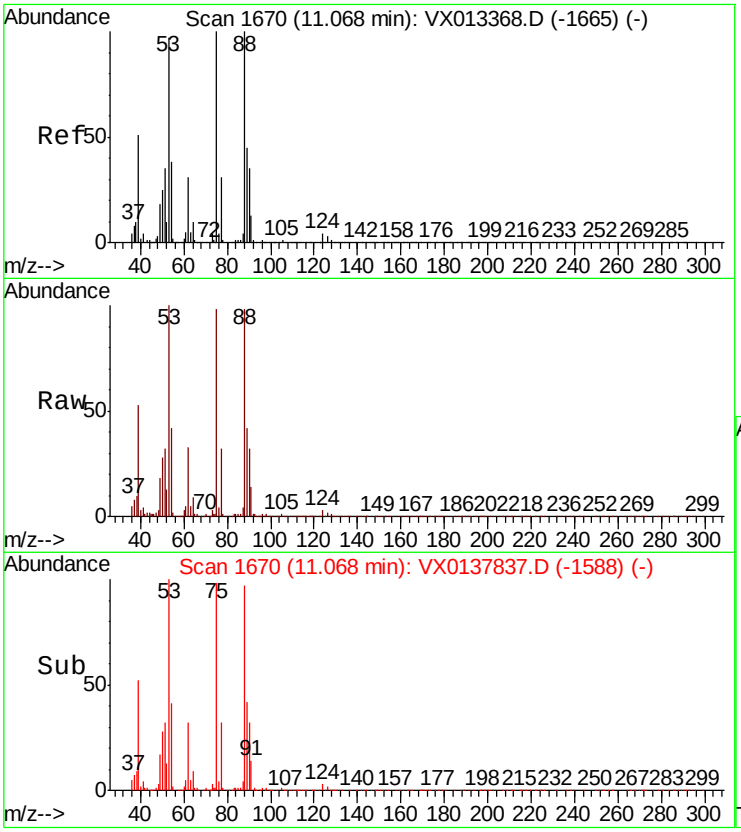




#76
1,3,5-Trimethylbenzene
Concen: 19.389 ug/l
RT: 11.50 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

Tgt Ion:105 Resp: 545867

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 50.5 | 0.0 | 100.0 |



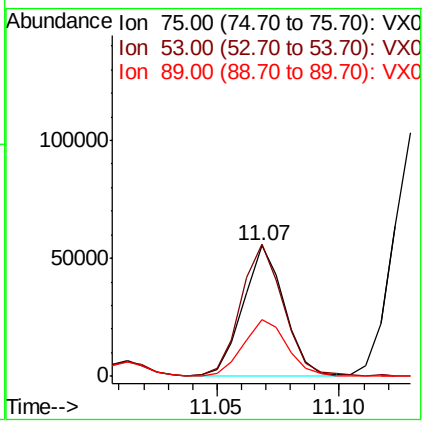


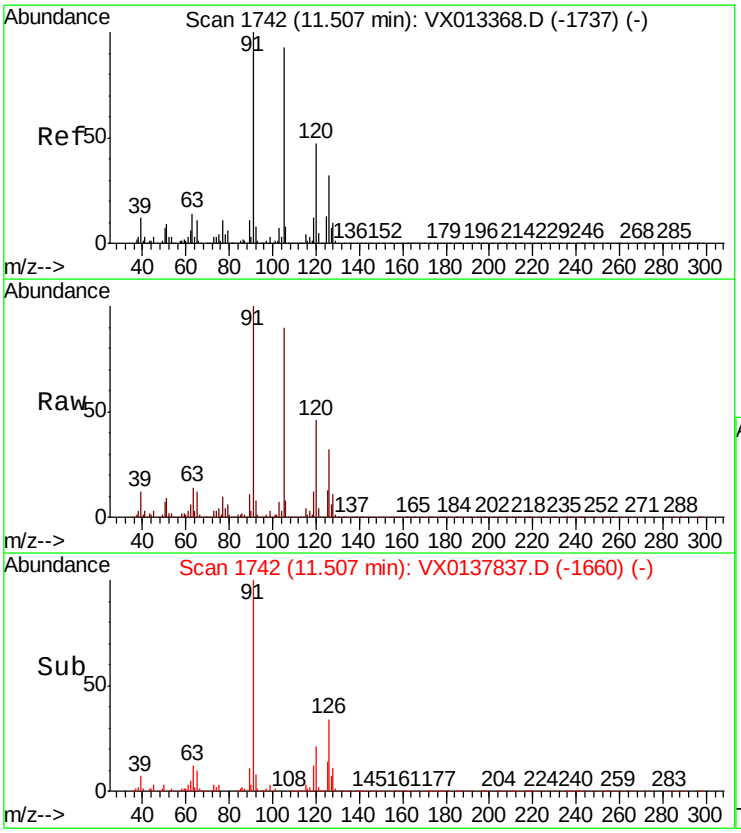

#77
t-1,4-Dichloro-2-butene
Concen: 15.862 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

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

Tgt Ion: 75 Resp: 64947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 101.3 | 48.8 | 146.3 |
| 89 | 42.9 | 22.3 | 66.8 |

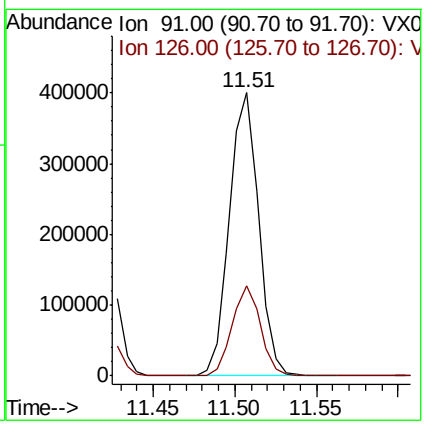


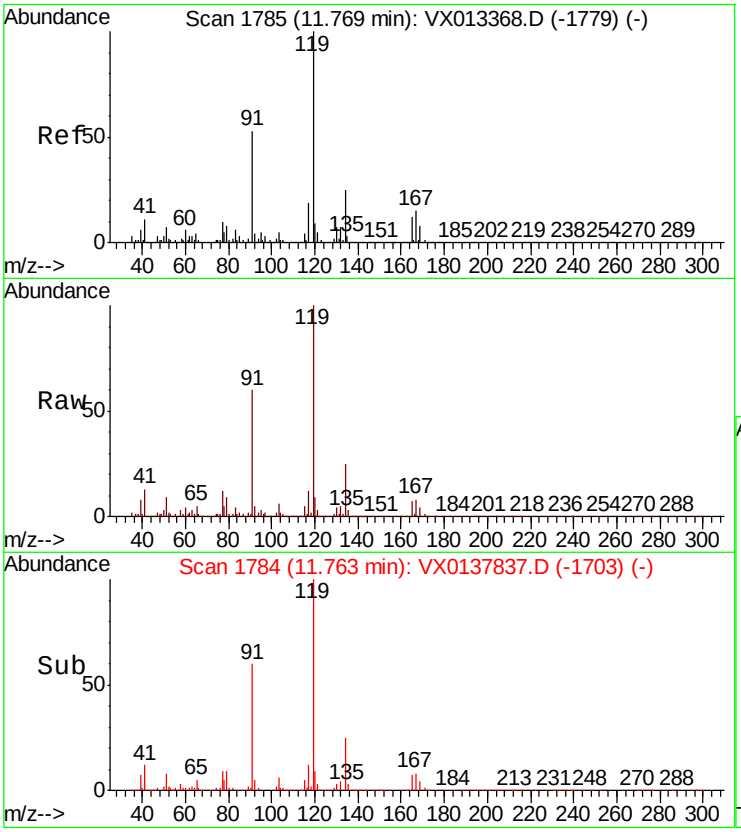




#78
4-Chlorotoluene
Concen: 19.209 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

Tgt Ion: 91 Resp: 498174

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 30.6 | 0.0 | 61.0 |



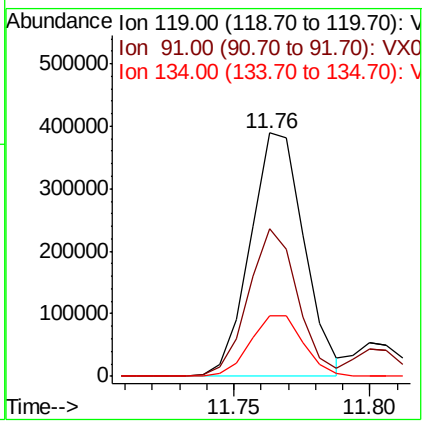


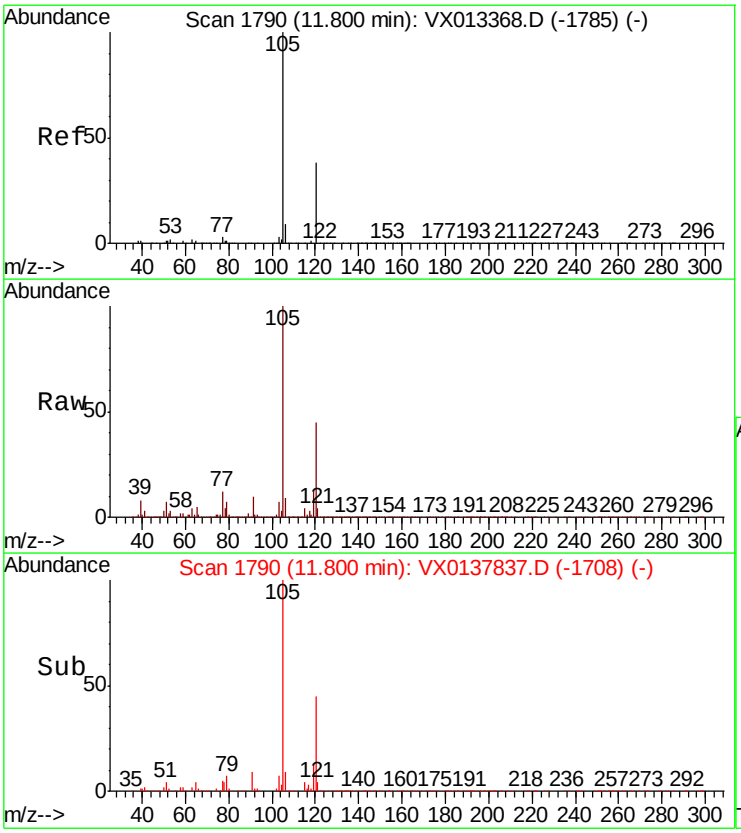

#79
tert-butylbenzene
Concen: 18.822 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.01 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

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

Tgt Ion:119 Resp: 534651

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 55.6 | 0.0 | 109.6 |
| 134 | 24.8 | 0.0 | 47.8 |

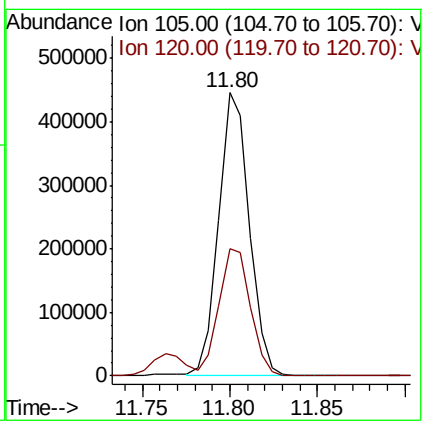


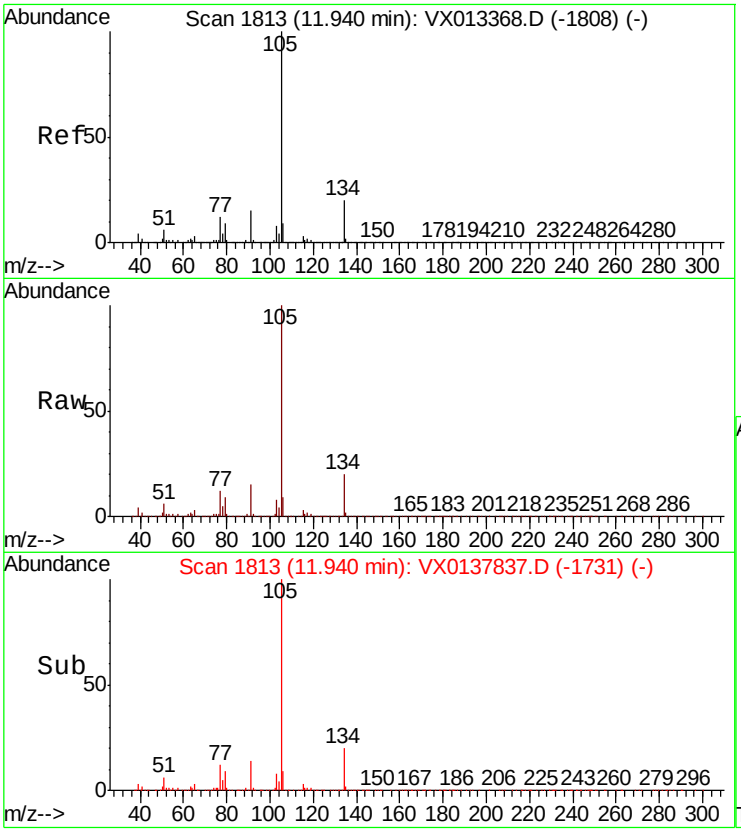




#80
1,2,4-Trimethylbenzene
Concen: 19.303 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.00 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

Tgt Ion:105 Resp: 541566

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 46.3 | 0.0 | 94.0 |



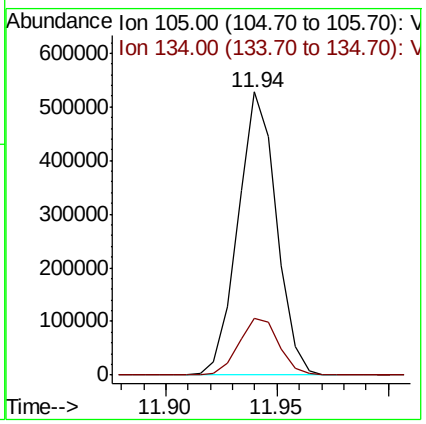


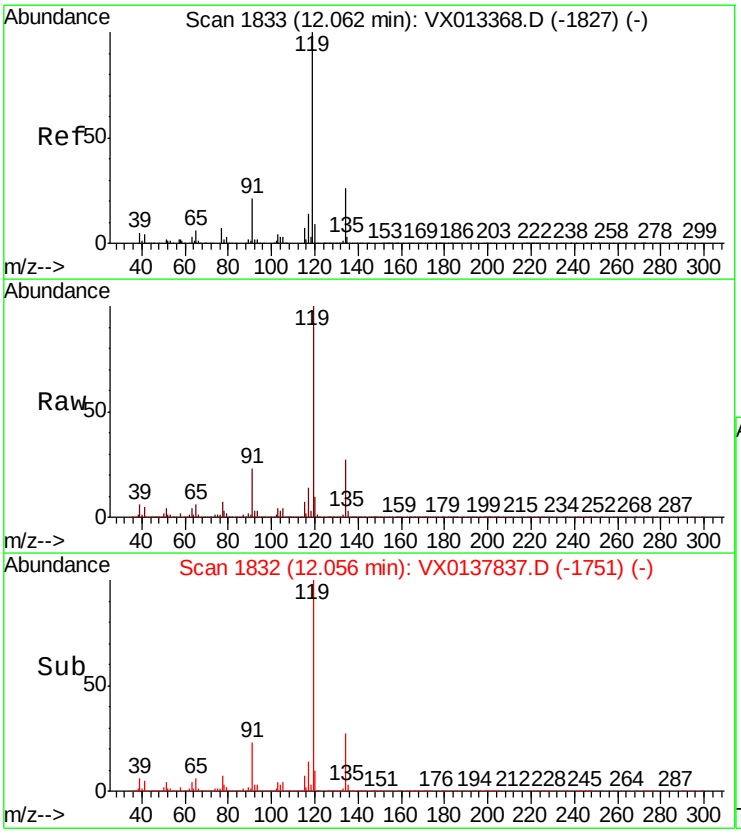

#81
sec-Butylbenzene
Concen: 19.585 ug/l
RT: 11.94 min Scan# 1813
Delta R.T. -0.00 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

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

Tgt Ion:105 Resp: 634733

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 20.8 | 0.0 | 41.2 |

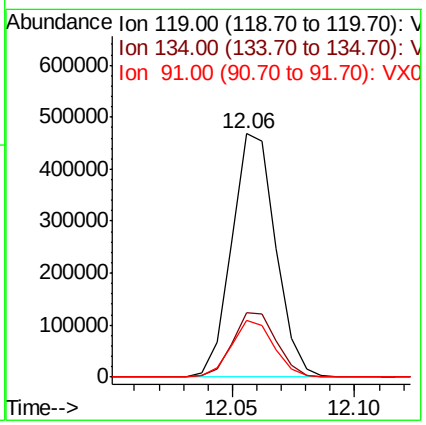


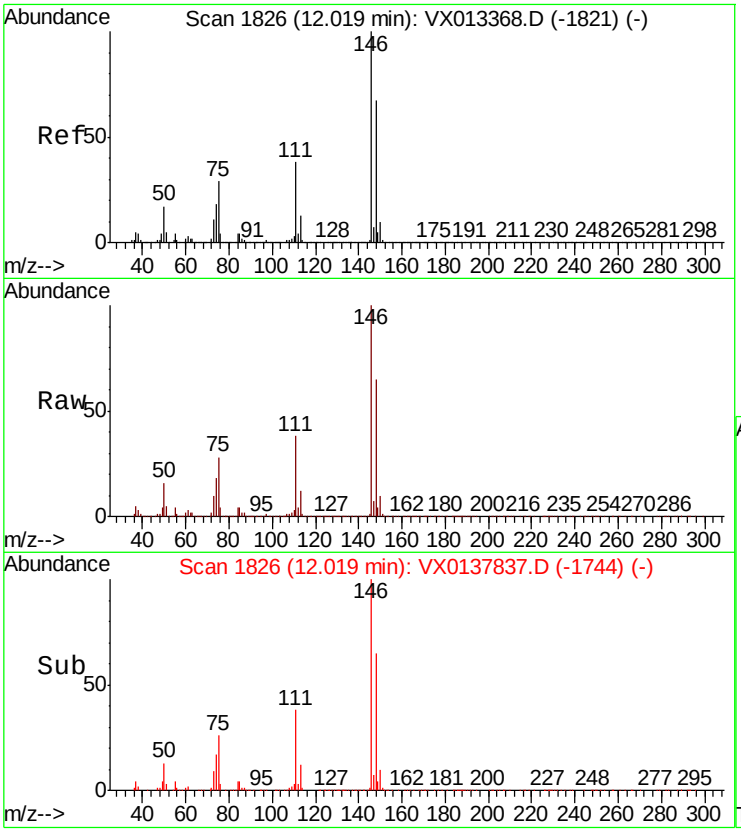




#82
p-Isopropyltoluene
Concen: 19.390 ug/l
RT: 12.06 min Scan# 1832
Delta R.T. -0.01 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

Tgt Ion:119 Resp: 579006

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.7 | 0.0 | 51.6 |
| 91 | 22.8 | 0.0 | 44.2 |



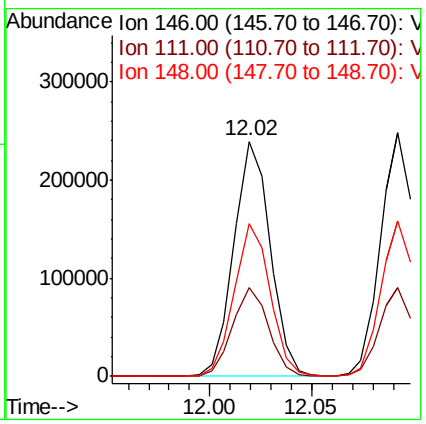


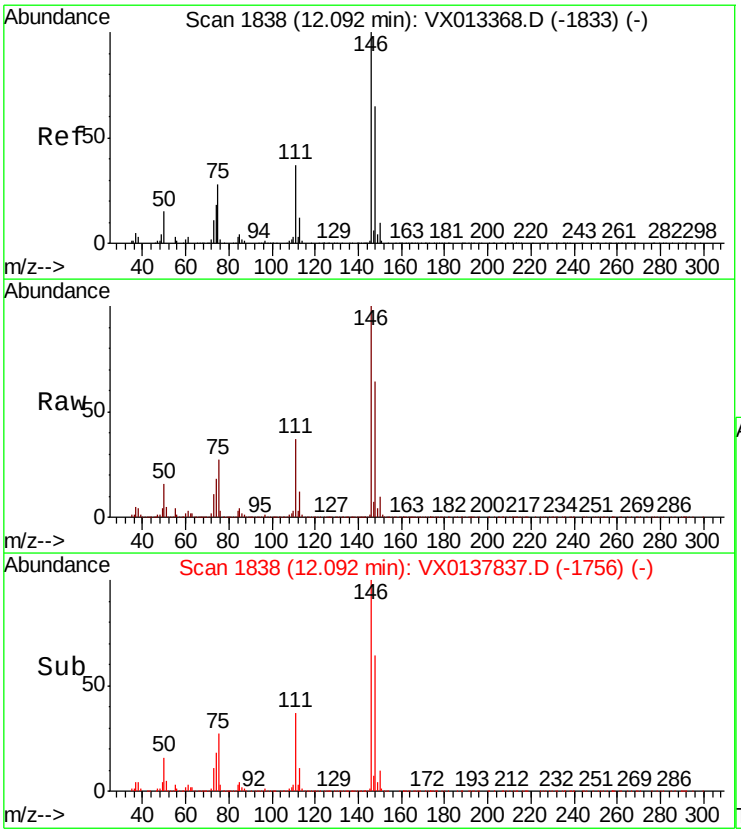

#83
1,3-Dichlorobenzene
Concen: 19.137 ug/l
RT: 12.02 min Scan# 1826
Delta R.T. -0.00 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

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

Tgt Ion:146 Resp: 297187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 37.5 | 18.8 | 56.3 |
| 148 | 63.8 | 32.3 | 96.9 |

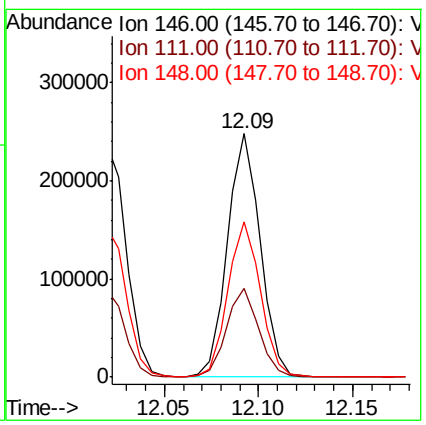


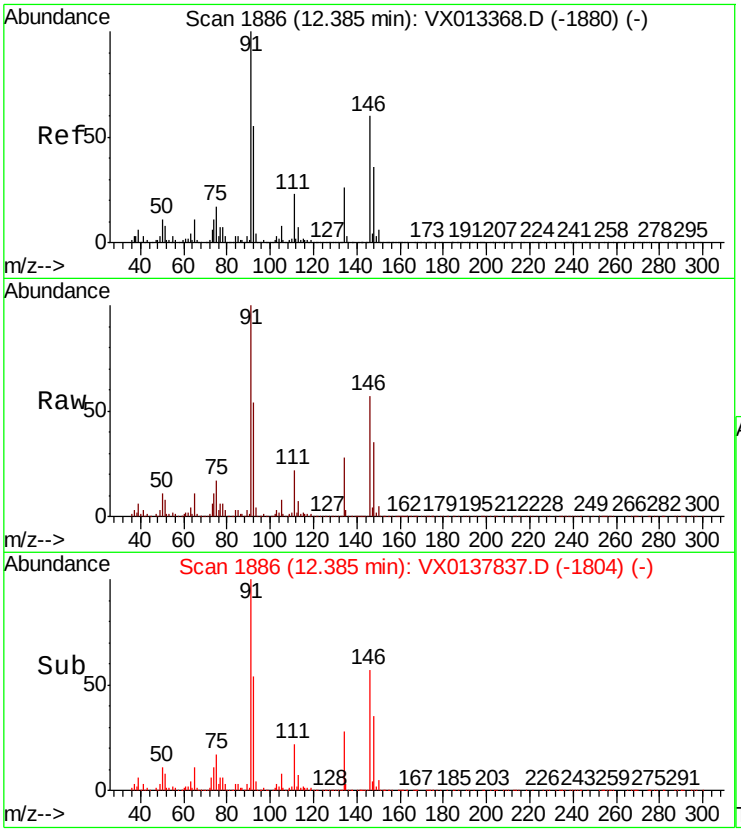




#84
1,4-Dichlorobenzene
Concen: 19.362 ug/l
RT: 12.09 min Scan# 1838
Delta R.T. -0.00 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

Tgt Ion:146 Resp: 298458

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 35.9 | 18.6 | 55.6 |
| 148 | 63.2 | 32.5 | 97.4 |



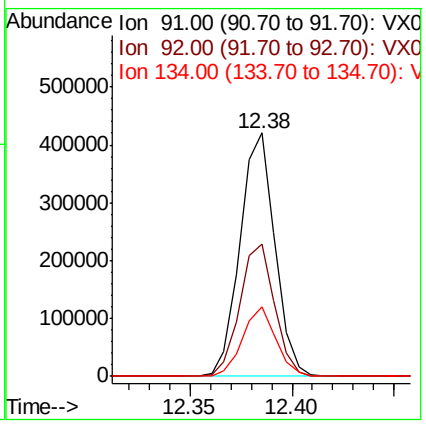


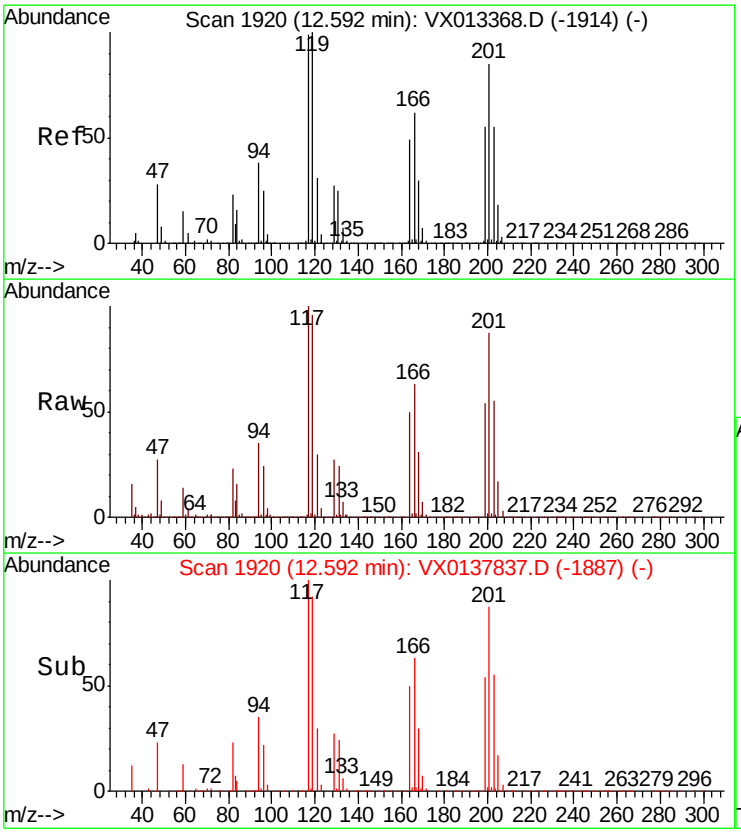

#85
n-Butylbenzene
Concen: 19.298 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

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

Tgt Ion: 91 Resp: 497350

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 54.6 | 0.0 | 109.0 |
| 134 | 27.1 | 0.0 | 53.0 |

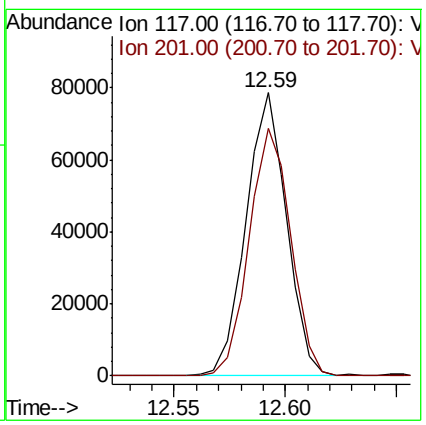


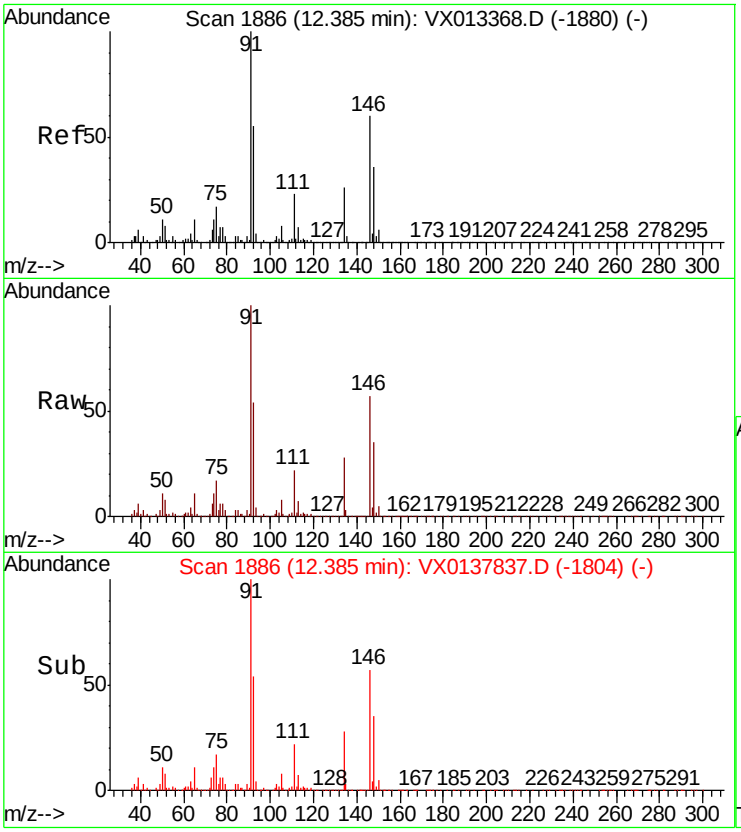




#86
Hexachloroethane
Concen: 18.196 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

Tgt Ion:117 Resp: 99707

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 90.0 | 44.5 | 133.3 |



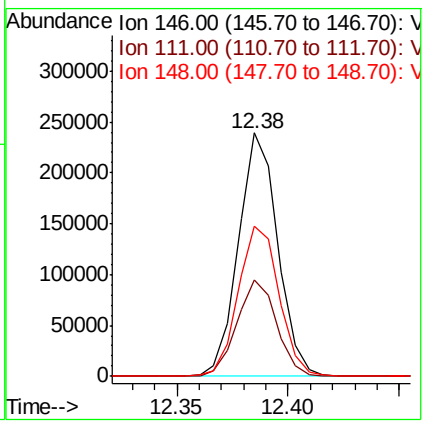


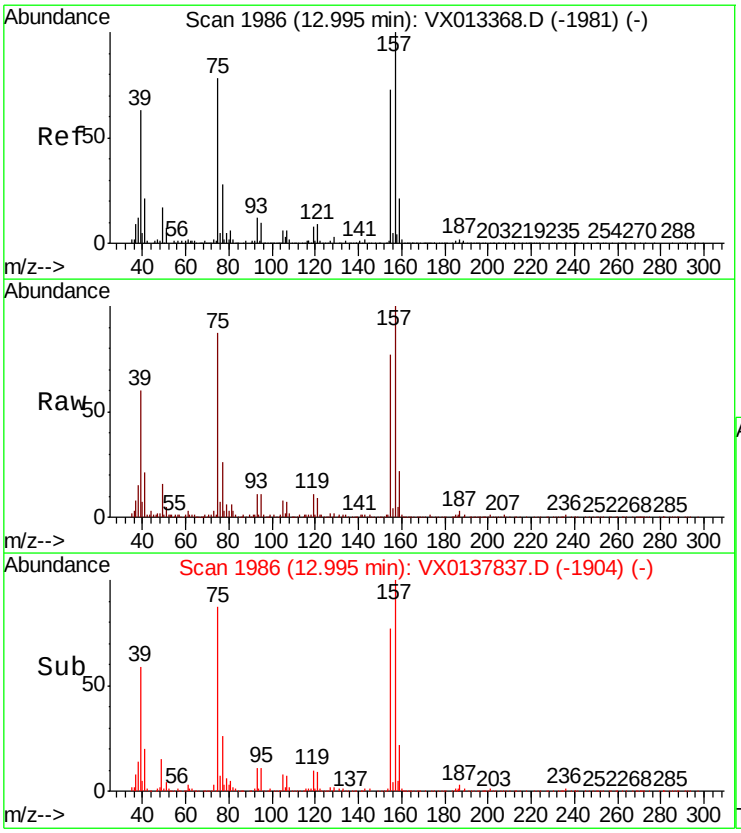

#87
1,2-Dichlorobenzene
Concen: 18.944 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

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

Tgt Ion:146 Resp: 294177

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.8 | 19.6 | 58.7 |
| 148 | 64.3 | 31.6 | 94.7 |

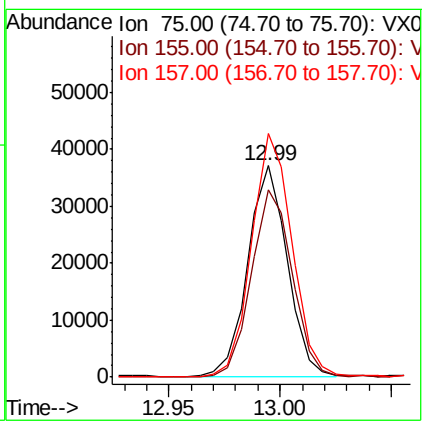


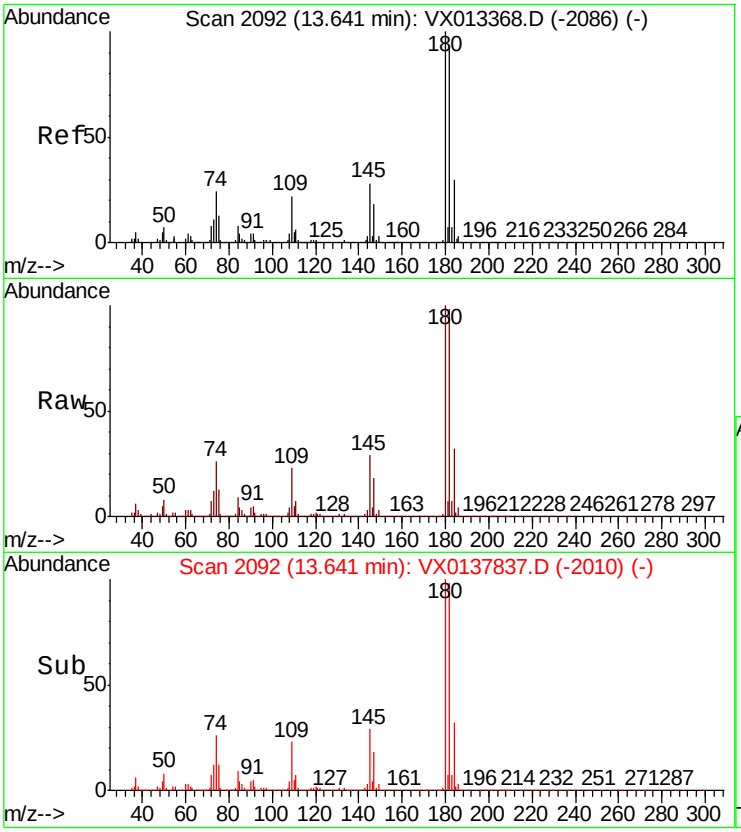




#88
1,2-Dibromo-3-Chloropropane
Concen: 16.925 ug/l
RT: 12.99 min Scan# 1986
Delta R.T. -0.00 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

Tgt Ion: 75 Resp: 45393

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 91.7 | 76.9 | 115.3 |
| 157 | 119.8 | 101.2 | 151.8 |



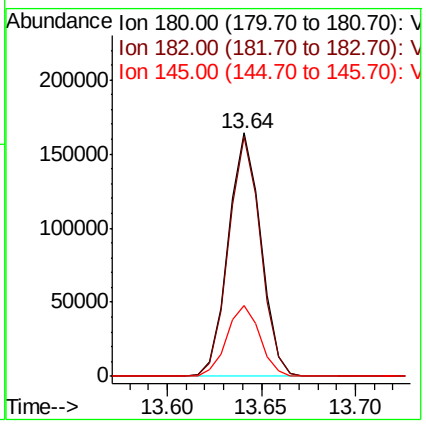


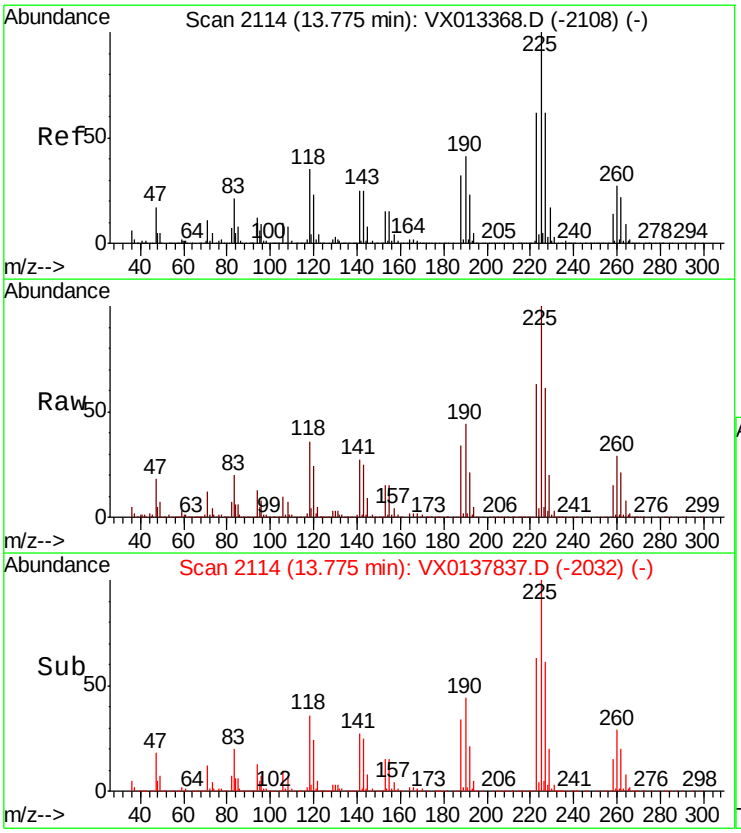

#89
1,2,4-Trichlorobenzene
Concen: 18.336 ug/l
RT: 13.64 min Scan# 2092
Delta R.T. -0.00 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

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

Tgt Ion:180 Resp: 196330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 97.0 | 74.7 | 112.1 |
| 145 | 29.7 | 22.1 | 33.1 |

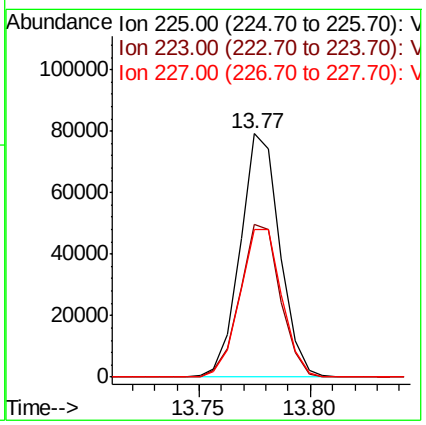


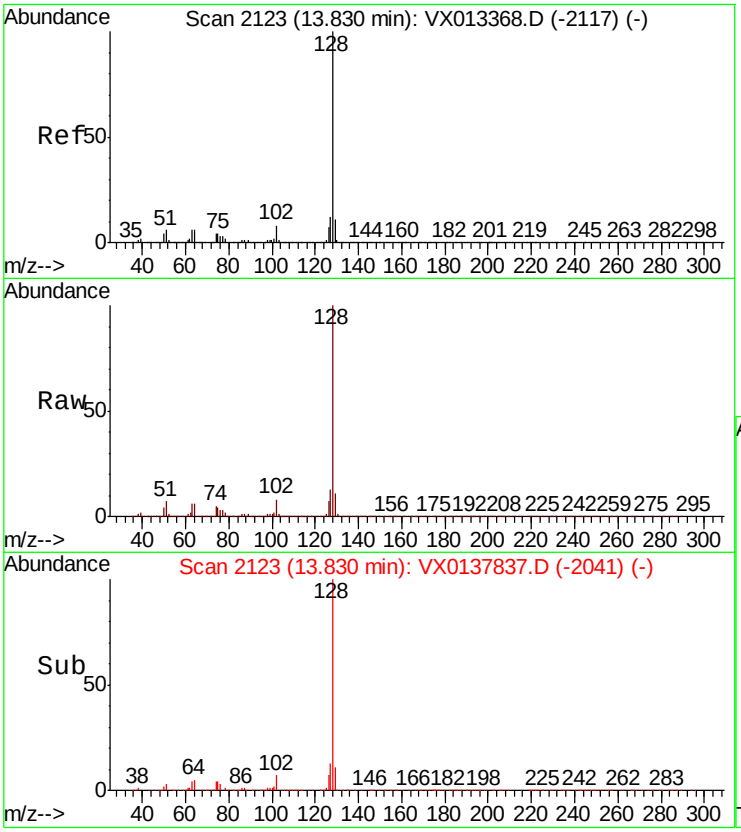




#90
Hexachlorobutadiene
Concen: 19.166 ug/l
RT: 13.77 min Scan# 2114
Delta R.T. -0.00 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

Tgt Ion:225 Resp: 98338

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 64.2 | 0.0 | 123.0 |
| 227 | 64.4 | 0.0 | 121.8 |



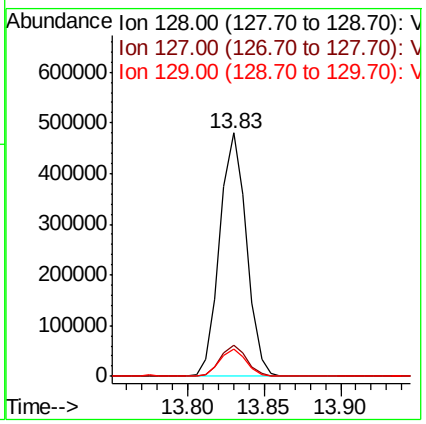


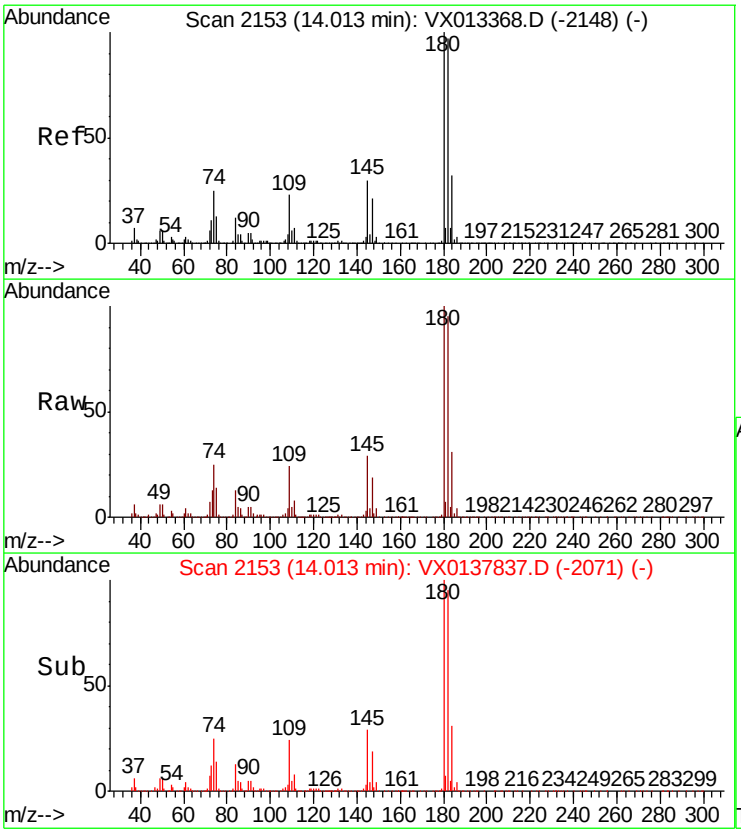

#91
Naphthalene
Concen: 17.157 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

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

Tgt Ion:128 Resp: 581648

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.8 | 10.2 | 15.2 |
| 129 | 11.0 | 8.8 | 13.2 |




#92
1,2,3-Trichlorobenzene
Concen: 18.236 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VX0137837.D
Acq: 07 Dec 2019 01:13 pm

Tgt Ion:180 Resp: 197318

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.4 | 0.0 | 191.0 |
| 145 | 30.1 | 0.0 | 59.0 |