Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082718\
Data File : VV007212.D
Acq On : 27 Aug 2018 12:32
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Aug 28 01:38:13 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082118WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Aug 27 09:24:34 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.67 | 114 | 335226 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.90 | 117 | 334476 | 5.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152 | 159344 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.32 | 65 | 130283 | 5.56 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 111.20% | | | |
| 7) Chloroethane-d5 | 1.58 | 69 | 105282 | 5.54 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 110.80% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.13 | 63 | 223565 | 5.25 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 105.00% | | | |
| 20) 2-Butanone-d5 | 3.97 | 46 | 241731 | 44.38 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 88.76% | | | |
| 24) Chloroform-d | 4.41 | 84 | 246363 | 5.21 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 104.20% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.09 | 65 | 118157 | 5.18 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 103.60% | | | |
| 32) Benzene-d6 | 5.10 | 84 | 494889 | 5.26 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 105.20% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.12 | 67 | 153089 | 5.00 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 100.00% | | | |
| 41) Toluene-d8 | 7.36 | 98 | 460884 | 5.51 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 110.20% | | | |
| 43) trans-1,3-Dichloropropene- | 7.67 | 79 | 53023 | 4.97 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 99.40% | | | |
| 46) 2-Hexanone-d5 | 8.15 | 63 | 125921 | 39.67 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 79.34% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27 | 84 | 113959 | 5.08 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 101.60% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.68 | 152 | 151875 | 5.00 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 100.00% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.14 | 85 | 135352 | 4.696 | ug/L | 97 |
| 3) Chloromethane | 1.25 | 50 | 144196 | 4.587 | ug/L | 100 |
| 5) Vinyl chloride | 1.32 | 62 | 137131 | 4.681 | ug/L | 99 |
| 6) Bromomethane | 1.54 | 94 | 46577 | 4.840 | ug/L | 98 |
| 8) Chloroethane | 1.60 | 64 | 84952 | 4.709 | ug/L | 100 |
| 9) Trichlorofluoromethane | 1.77 | 101 | 192460 | 4.879 | ug/L | 98 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.14 | 101 | 119537 | 4.848 | ug/L | 98 |
| 12) 1,1-Dichloroethene | 2.14 | 96 | 109873 | 4.758 | ug/L | 95 |
| 13) Acetone | 2.21 | 43 | 137300 | 43.850 | ug/L | 92 |
| 14) Carbon disulfide | 2.32 | 76 | 312481 | 4.706 | ug/L | 100 |
| 15) Methyl Acetate | 2.47 | 43 | 37515 | 4.617 | ug/L | 100 |
| 16) Methylene chloride | 2.54 | 84 | 119384 | 4.416 | ug/L | 98 |
| 17) Methyl tert-butyl Ether | 2.82 | 73 | 258307 | 4.681 | ug/L | 100 |
| 18) trans-1,2-Dichloroethene | 2.79 | 96 | 118462 | 4.735 | ug/L | 98 |
| 19) 1,1-Dichloroethane | 3.23 | 63 | 242189 | 5.126 | ug/L | 98 |
| 21) 2-Butanone | 4.06 | 43 | 265267 | 41.148 | ug/L | 88 |
| 22) cis-1,2-Dichloroethene | 3.97 | 96 | 132197 | 4.783 | ug/L | 96 |

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082718\
Data File : VV007212.D
Acq On : 27 Aug 2018 12:32
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Aug 28 01:38:13 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082118WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Aug 27 09:24:34 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 23) Bromochloromethane | 4.30 | 128 | 60239 | 4.775 | ug/L | 91 |
| 25) Chloroform | 4.43 | 83 | 240639 | 4.774 | ug/L | 99 |
| 27) 1,2-Dichloroethane | 5.19 | 62 | 137761 | 4.812 | ug/L | 98 |
| 29) 1,1,1-Trichloroethane | 4.66 | 97 | 202189 | 4.655 | ug/L | 98 |
| 30) Cyclohexane | 4.73 | 56 | 175241 | 4.498 | ug/L | 100 |
| 31) Carbon tetrachloride | 4.88 | 117 | 174943 | 4.807 | ug/L | 97 |
| 33) Benzene | 5.15 | 78 | 530201 | 4.804 | ug/L | 100 |
| 34) Trichloroethene | 5.96 | 95 | 127540 | 4.801 | ug/L | 96 |
| 35) Methylcyclohexane | 6.18 | 83 | 186577 | 4.695 | ug/L | 98 |
| 37) 1,2-Dichloropropane | 6.23 | 63 | 140787 | 4.724 | ug/L | 100 |
| 38) Bromodichloromethane | 6.56 | 83 | 162981 | 4.707 | ug/L | 97 |
| 39) cis-1,3-Dichloropropene | 7.08 | 75 | 166043 | 4.714 | ug/L | 99 |
| 40) 4-Methyl-2-pentanone | 7.29 | 43 | 682545 | 47.031 | ug/L | 99 |
| 42) Toluene | 7.44 | 91 | 537655 | 5.089 | ug/L | 100 |
| 44) trans-1,3-Dichloropropene | 7.70 | 75 | 140368 | 4.795 | ug/L | 97 |
| 45) 1,1,2-Trichloroethane | 7.89 | 97 | 93305 | 4.666 | ug/L | 96 |
| 47) Tetrachloroethene | 8.02 | 164 | 110022 | 4.959 | ug/L | 98 |
| 48) 2-Hexanone | 8.20 | 43 | 529662 | 48.545 | ug/L | 95 |
| 49) Dibromochloromethane | 8.30 | 129 | 107089 | 4.864 | ug/L | 99 |
| 50) 1,2-Dibromoethane | 8.40 | 107 | 84941 | 5.069 | ug/L | 97 |
| 51) Chlorobenzene | 8.93 | 112 | 343507 | 4.934 | ug/L | 100 |
| 52) Ethylbenzene | 9.06 | 91 | 508876 | 4.890 | ug/L | 100 |
| 53) m,p-xylene | 9.19 | 106 | 197061 | 5.000 | ug/L | 96 |
| 54) o-xylene | 9.59 | 106 | 183610 | 4.885 | ug/L | 96 |
| 55) Styrene | 9.61 | 104 | 330524 | 5.159 | ug/L | 99 |
| 56) Isopropylbenzene | 9.98 | 105 | 491985 | 5.041 | ug/L | 98 |
| 58) 1,1,2,2-Tetrachloroethane | 10.29 | 83 | 113004 | 4.788 | ug/L | 97 |
| 59) 1,2,3-Trichloropropane | 10.32 | 75 | 79241 | 4.648 | ug/L | 99 |
| 61) Bromoform | 9.78 | 173 | 58811 | 4.652 | ug/L | 99 |
| 62) 1,3-Dichlorobenzene | 11.23 | 146 | 239699 | 4.699 | ug/L | 99 |
| 63) 1,4-Dichlorobenzene | 11.32 | 146 | 251734 | 4.707 | ug/L | 99 |
| 65) 1,2-Dichlorobenzene | 11.70 | 146 | 240129 | 4.681 | ug/L | 97 |
| 66) 1,2-Dibromo-3-chloropropan | 12.48 | 75 | 11896 | 4.023 | ug/L | 84 |
| 67) 1,3,5-Trichlorobenzene | 12.70 | 180 | 185798 | 4.853 | ug/L | 99 |
| 68) 1,2,4-trichlorobenzene | 13.32 | 180 | 120497 | 4.705 | ug/L | 99 |
| 69) Naphthalene | 13.56 | 128 | 133250 | 3.924 | ug/L | 99 |
| 70) 1,2,3-Trichlorobenzene | 13.80 | 180 | 118845 | 4.749 | ug/L | 99 |

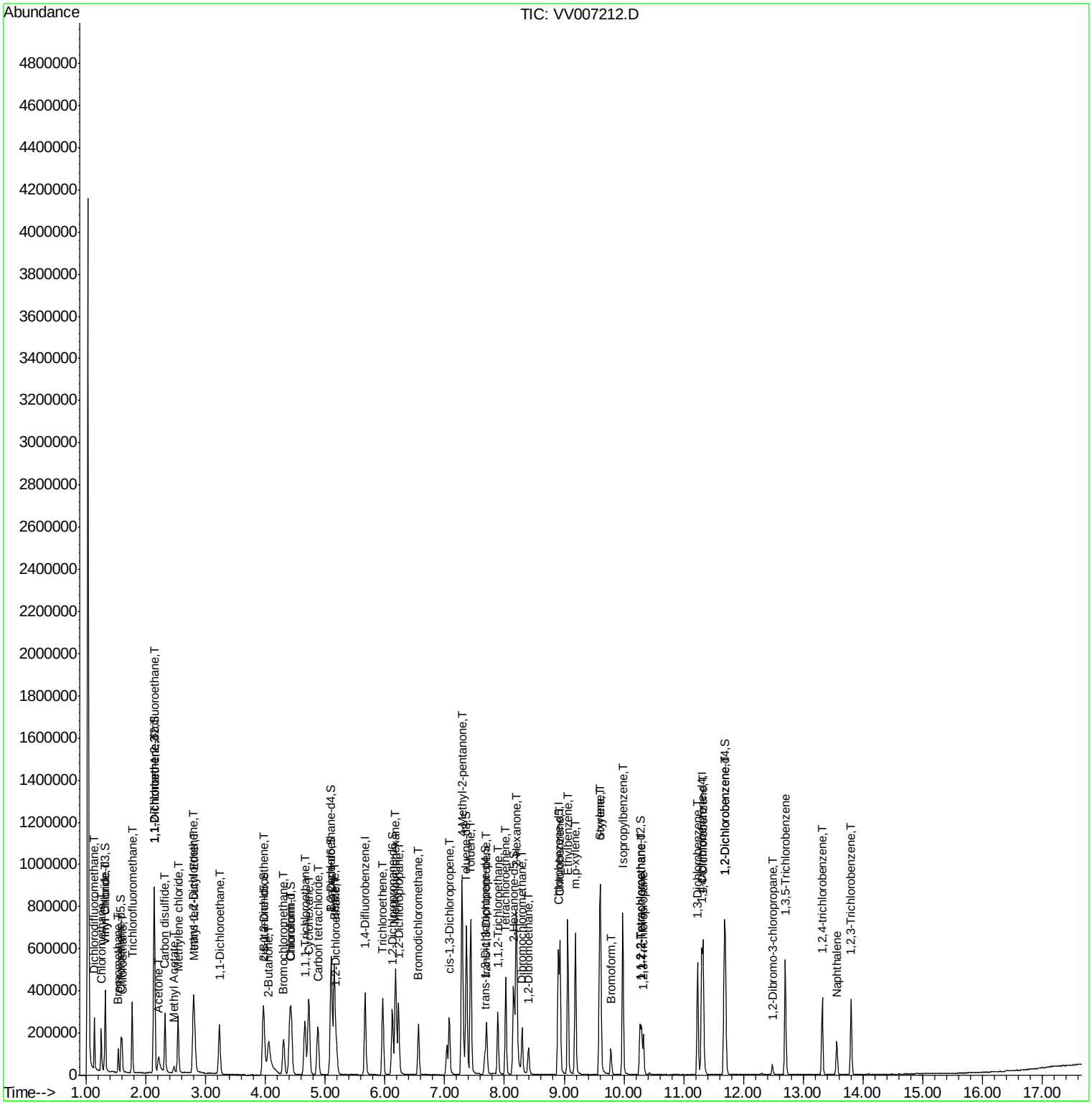
(#) = qualifier out of range (m) = manual integration (+) = signals summed

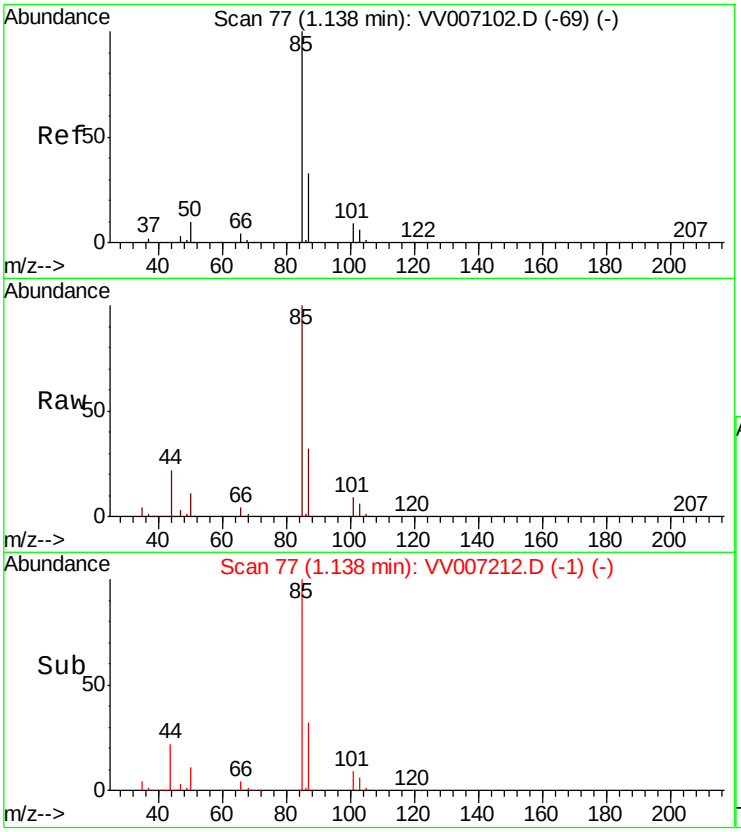
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082718\
Data File : VV007212.D
Acq On : 27 Aug 2018 12:32
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Aug 28 01:38:13 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082118WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Aug 27 09:24:34 2018
Response via : Initial Calibration



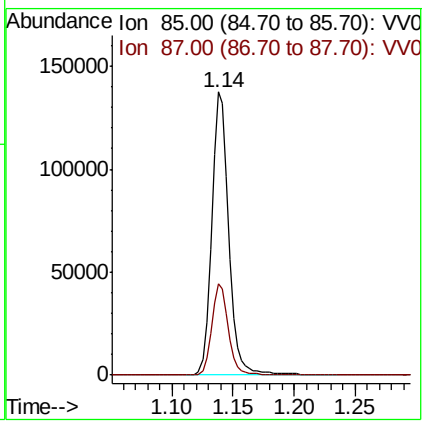


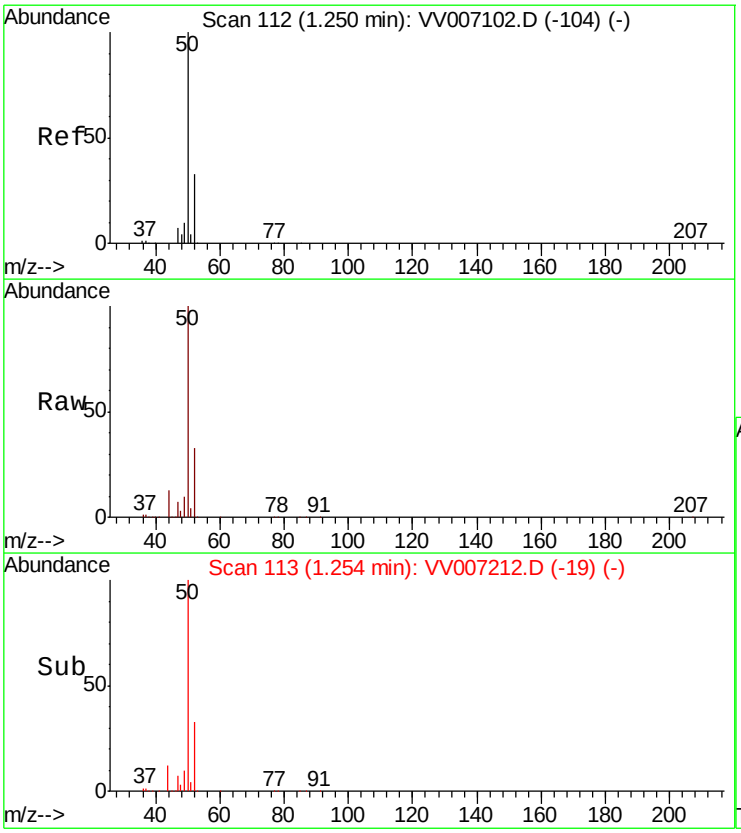

#2
Dichlorodifluoromethane
Concen: 4.696 ug/L
RT: 1.14 min Scan# 77
Delta R.T. -0.00 min
Lab File: VV007212.D
Acq: 27 Aug 2018 12:32

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

Tgt Ion: 85 Resp: 135352

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 31.7 | 26.8 | 40.2 |

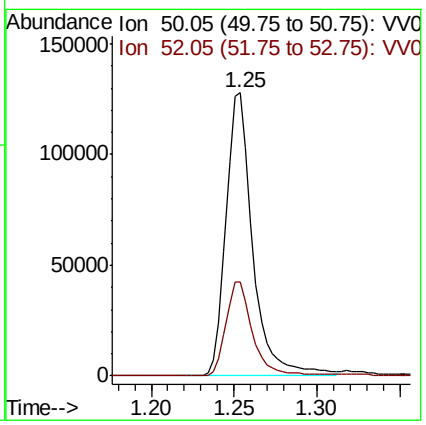


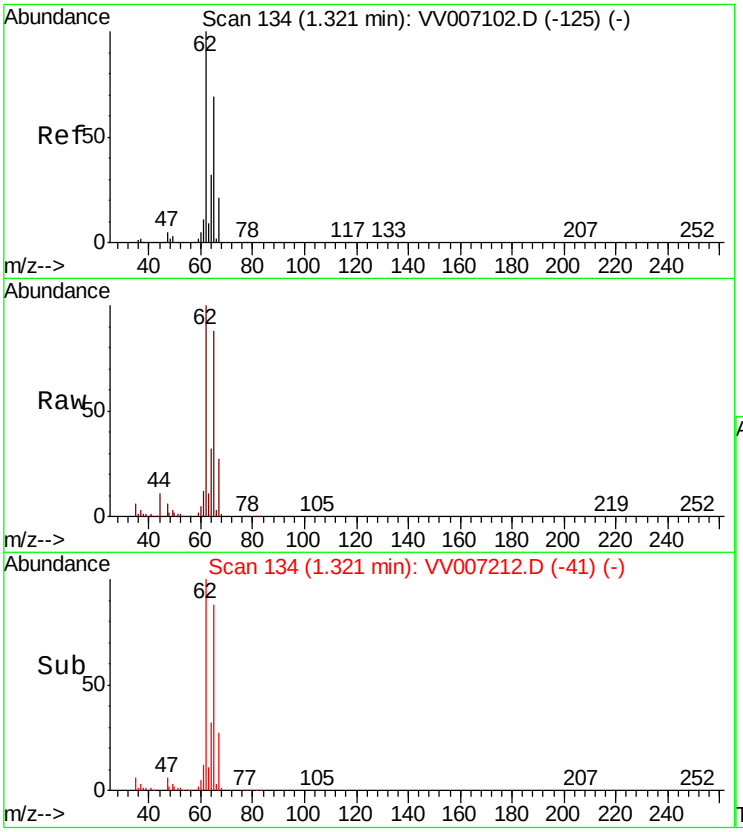




#3
Chloromethane
Concen: 4.587 ug/L
RT: 1.25 min Scan# 113
Delta R.T. 0.00 min
Lab File: VV007212.D
Acq: 27 Aug 2018 12:32

Tgt Ion: 50 Resp: 144196

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 33.1 | 23.0 | 42.6 |



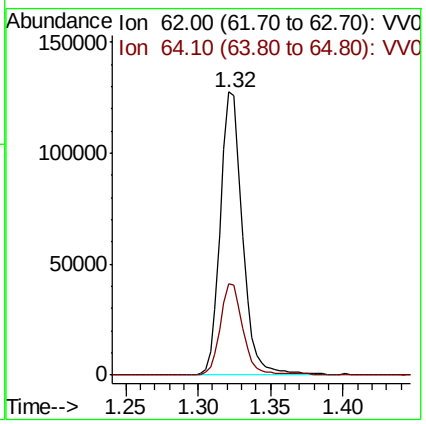


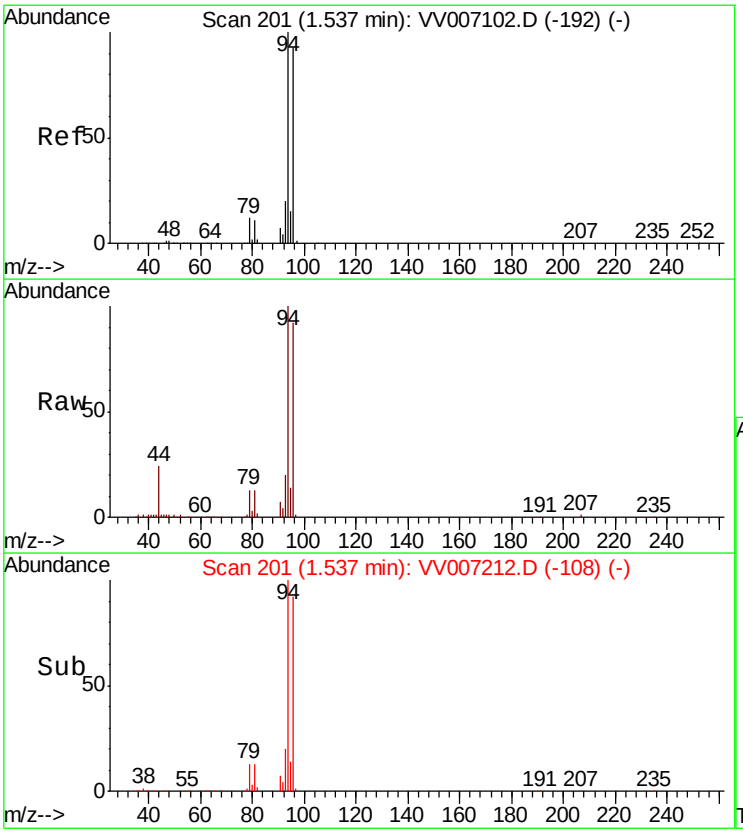

#5
Vinyl chloride
Concen: 4.681 ug/L
RT: 1.32 min Scan# 134
Delta R.T. -0.00 min
Lab File: VV007212.D
Acq: 27 Aug 2018 12:32

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

Tgt Ion: 62 Resp: 137131

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.2 | 22.0 | 41.0 |

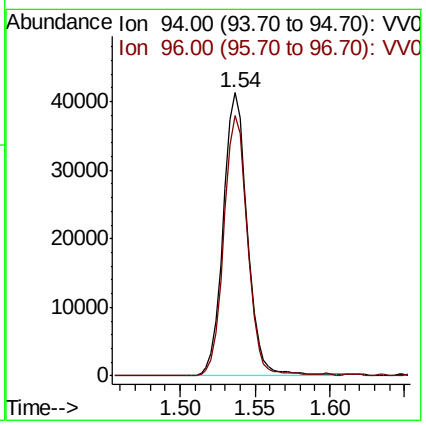


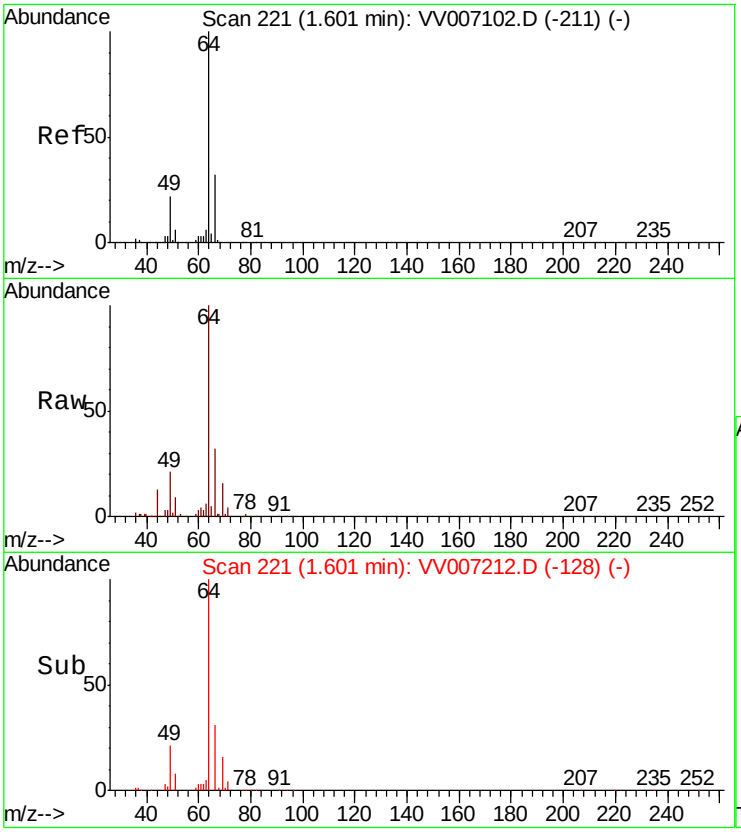




#6
Bromomethane
Concen: 4.840 ug/L
RT: 1.54 min Scan# 201
Delta R.T. -0.00 min
Lab File: VV007212.D
Acq: 27 Aug 2018 12:32

Tgt Ion: 94 Resp: 46577

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 92.0 | 65.5 | 121.6 |



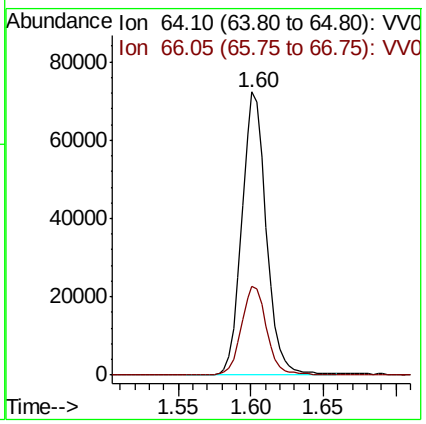


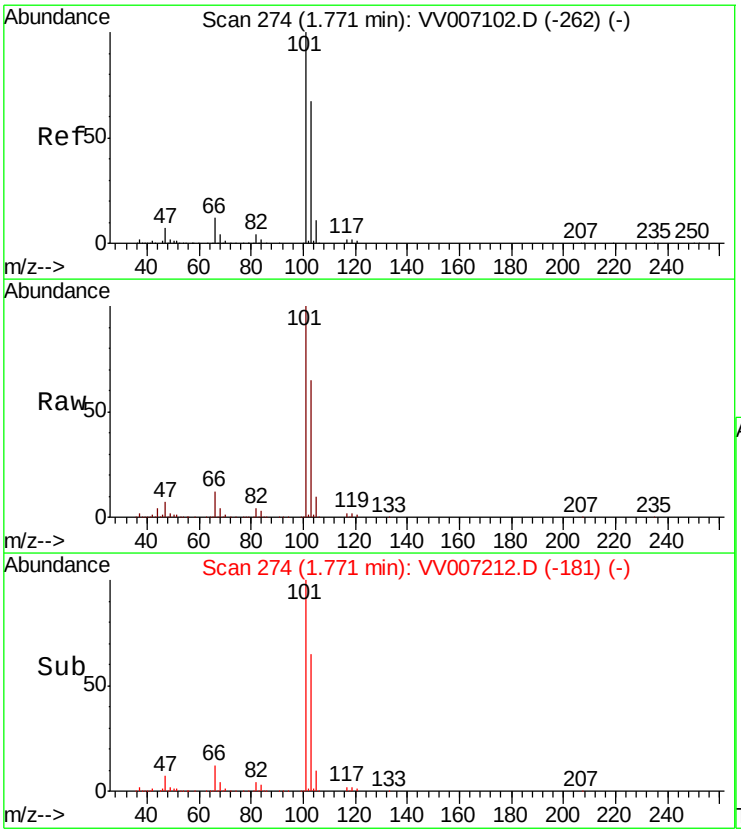

#8
Chloroethane
Concen: 4.709 ug/L
RT: 1.60 min Scan# 221
Delta R.T. -0.00 min
Lab File: VV007212.D
Acq: 27 Aug 2018 12:32

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

Tgt Ion: 64 Resp: 84952

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 31.6 | 22.3 | 41.3 |

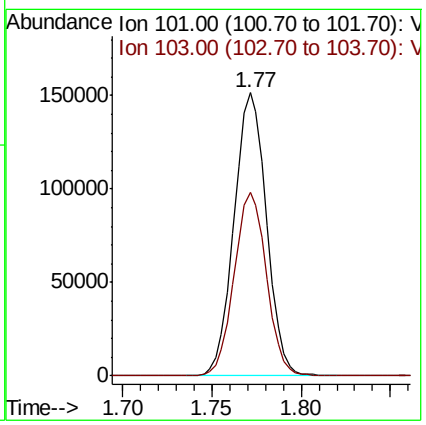


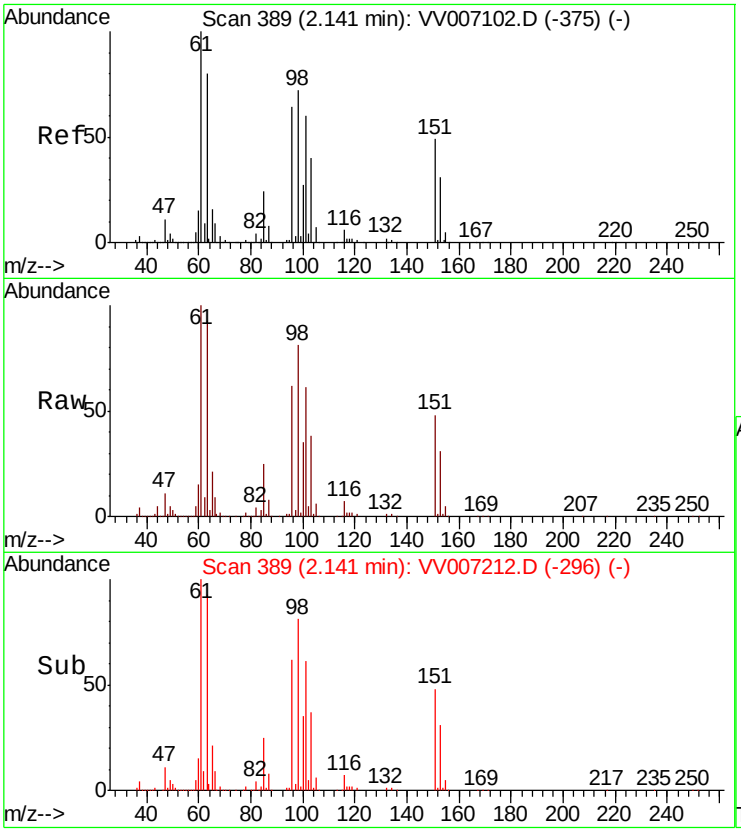




#9
Trichlorofluoromethane
Concen: 4.879 ug/L
RT: 1.77 min Scan# 274
Delta R.T. -0.00 min
Lab File: VV007212.D
Acq: 27 Aug 2018 12:32

Tgt Ion:101 Resp: 192460

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 64.6 | 53.0 | 79.4 |



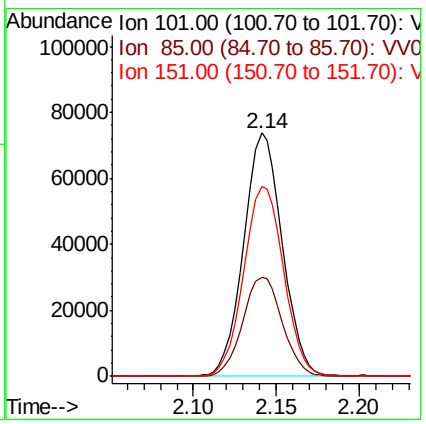


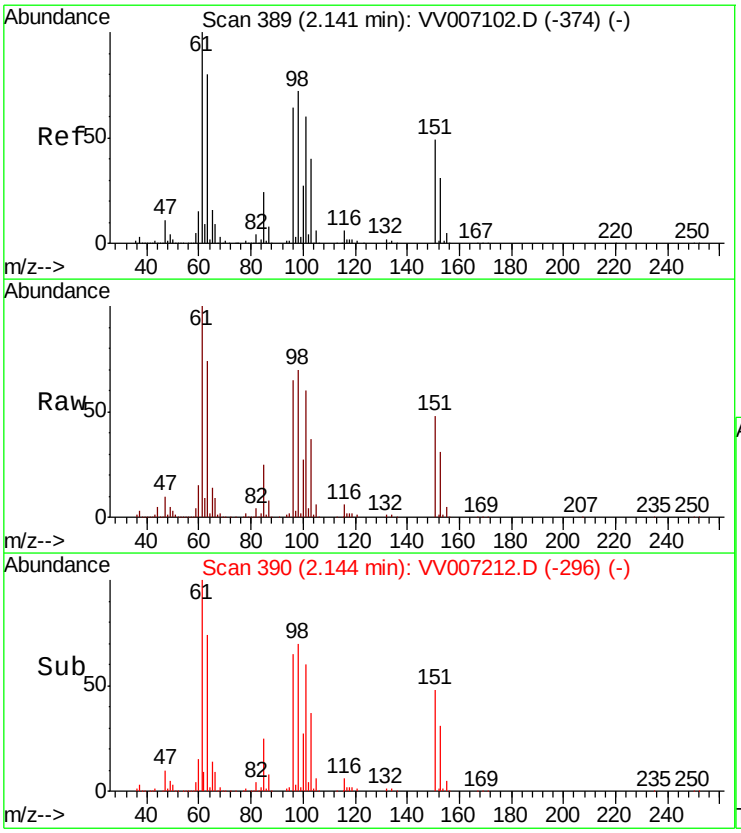

#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.848 ug/L
RT: 2.14 min Scan# 389
Delta R.T. -0.00 min
Lab File: VV007212.D
Acq: 27 Aug 2018 12:32

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

Tgt Ion:101 Resp: 119537

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 41.9 | 31.9 | 47.9 |
| 151 | 80.9 | 64.2 | 96.4 |

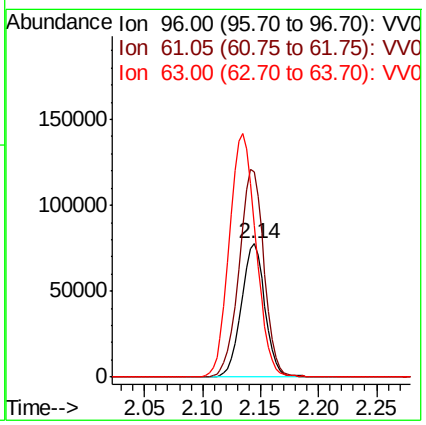


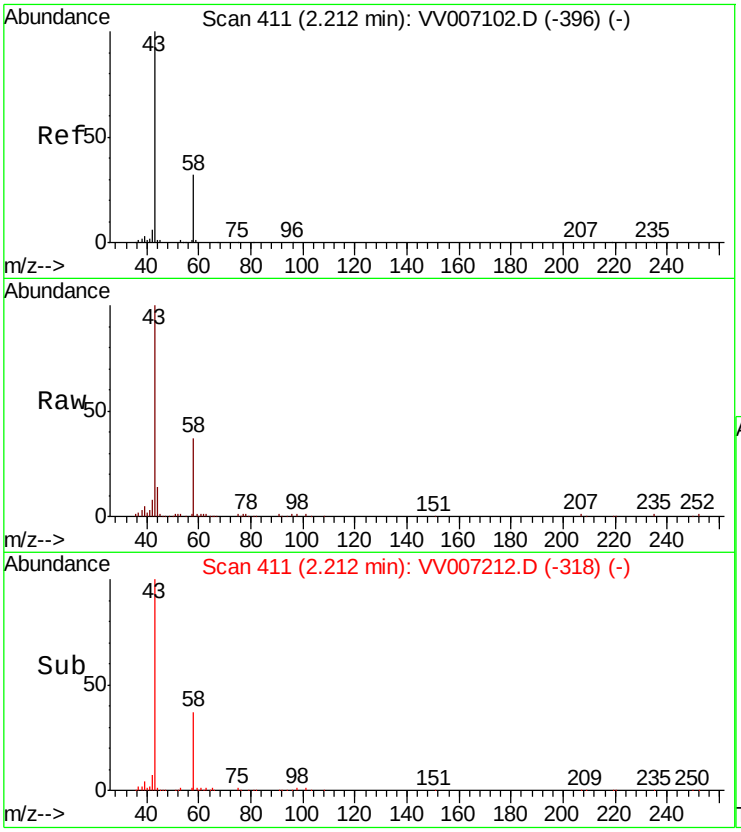




#12
1,1-Dichloroethene
Concen: 4.758 ug/L
RT: 2.14 min Scan# 390
Delta R.T. 0.00 min
Lab File: VV007212.D
Acq: 27 Aug 2018 12:32

Tgt Ion: 96 Resp: 109873

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 154.0 | 108.7 | 201.9 |
| 63 | 113.9 | 87.4 | 162.4 |



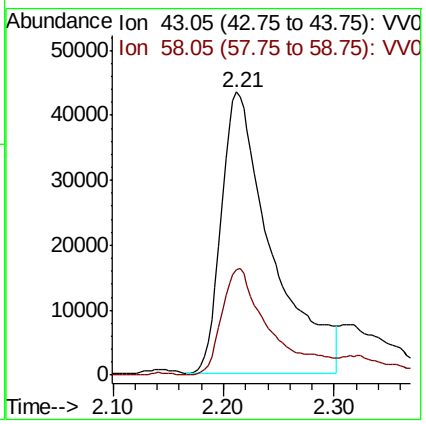


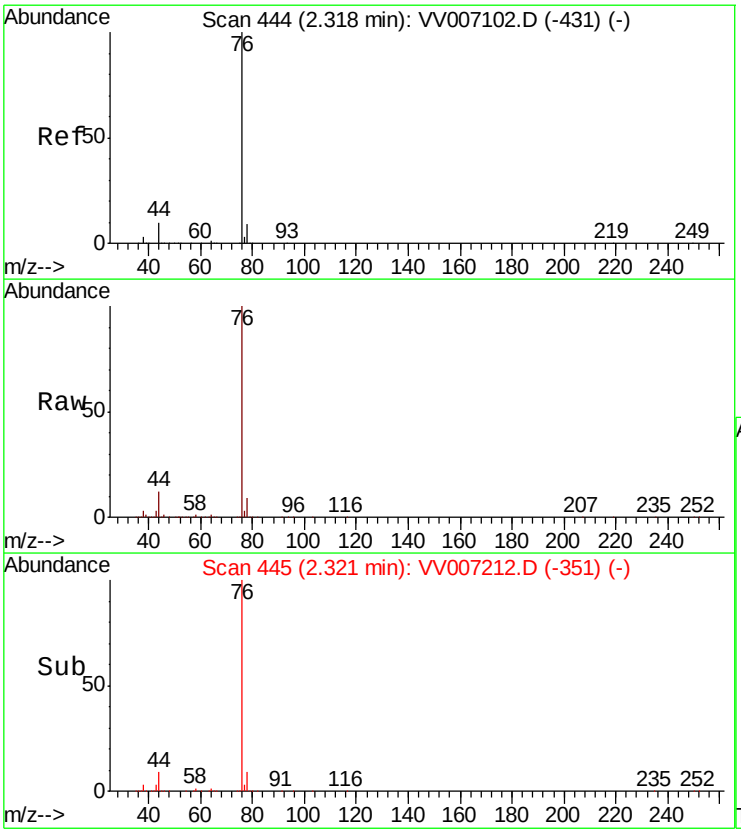

#13
Acetone
Concen: 43.850 ug/L
RT: 2.21 min Scan# 411
Delta R.T. -0.00 min
Lab File: VV007212.D
Acq: 27 Aug 2018 12:32

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

Tgt Ion: 43 Resp: 137300

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 36.3 | 0.0 | 82.2 |

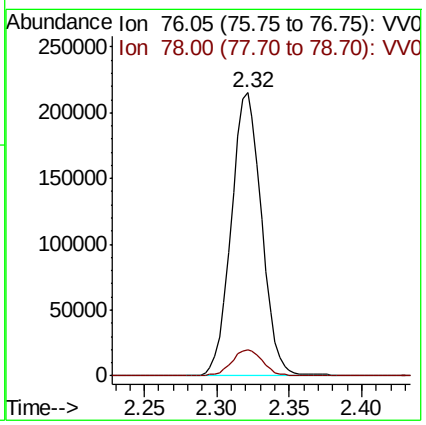


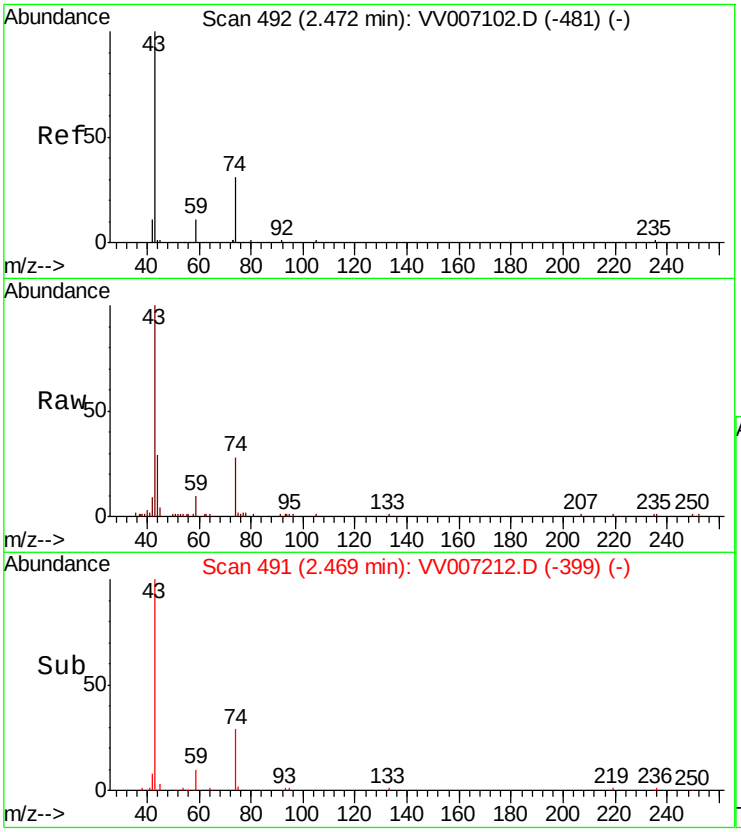




#14
Carbon disulfide
Concen: 4.706 ug/L
RT: 2.32 min Scan# 445
Delta R.T. 0.00 min
Lab File: VV007212.D
Acq: 27 Aug 2018 12:32

Tgt Ion: 76 Resp: 312481

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.1 | 7.2 | 10.8 |



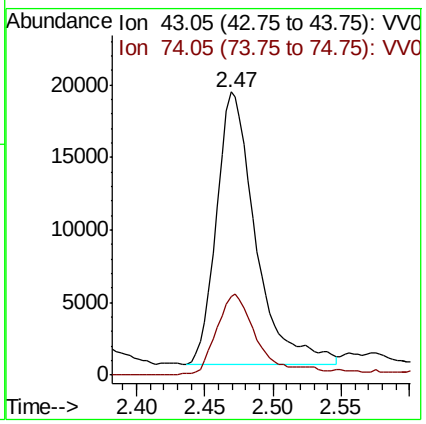


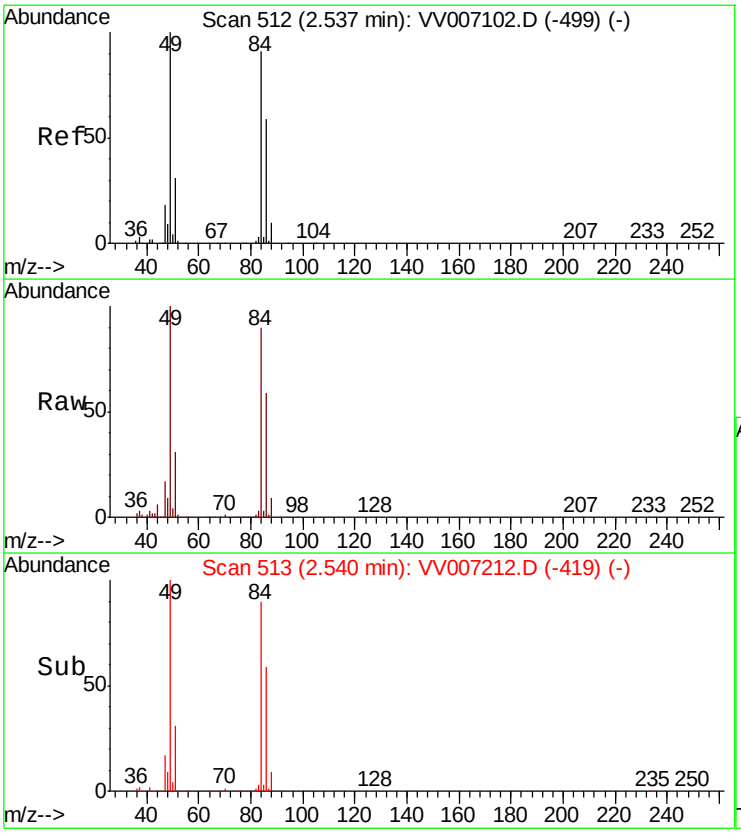

#15
Methyl Acetate
Concen: 4.617 ug/L
RT: 2.47 min Scan# 491
Delta R.T. -0.00 min
Lab File: VV007212.D
Acq: 27 Aug 2018 12:32

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

Tgt Ion: 43 Resp: 37515

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 31.4 | 25.0 | 37.6 |

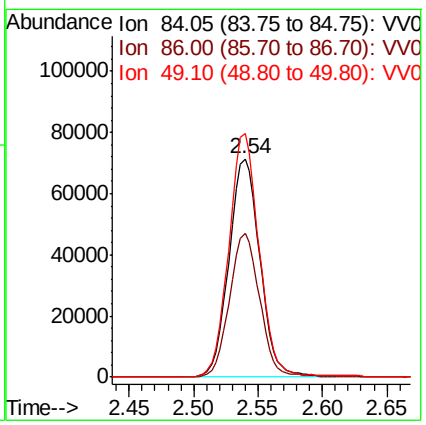


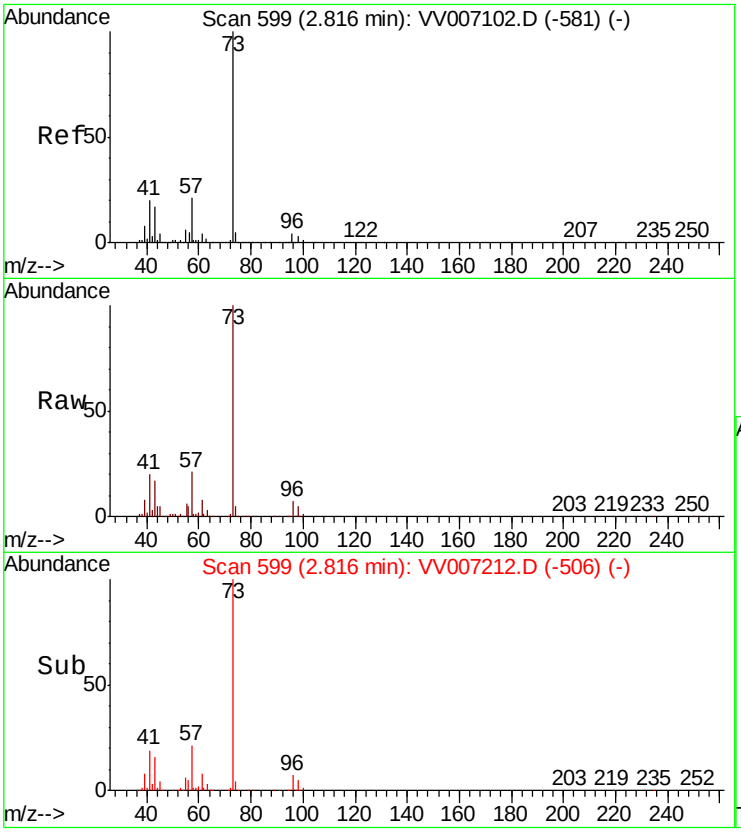




#16
Methylene chloride
Concen: 4.416 ug/L
RT: 2.54 min Scan# 513
Delta R.T. 0.00 min
Lab File: VV007212.D
Acq: 27 Aug 2018 12:32

Tgt Ion: 84 Resp: 119384

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 65.6 | 44.9 | 83.5 |
| 49 | 111.4 | 76.6 | 142.3 |



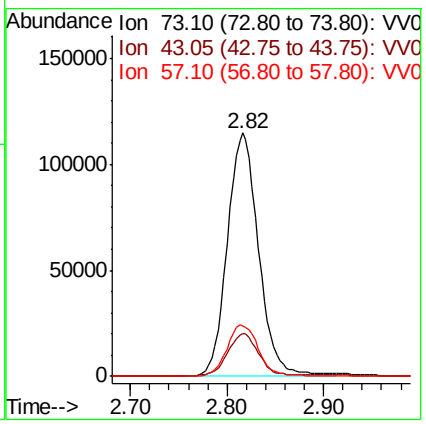


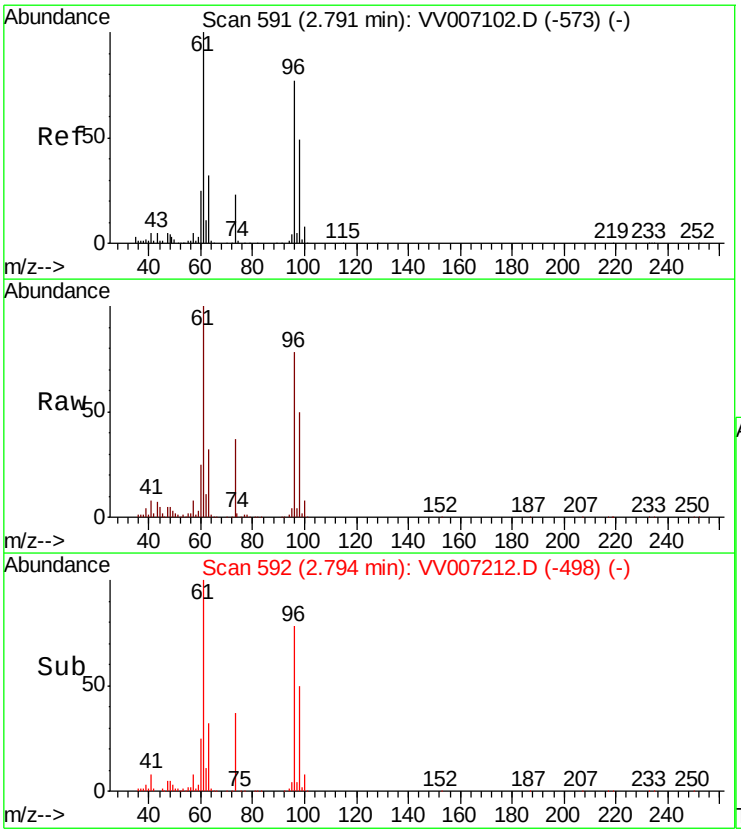

#17
Methyl tert-butyl Ether
Concen: 4.681 ug/L
RT: 2.82 min Scan# 599
Delta R.T. -0.00 min
Lab File: VV007212.D
Acq: 27 Aug 2018 12:32

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

Tgt Ion: 73 Resp: 258307

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 43 | 17.2 | 14.0 | 21.0 |
| 57 | 21.4 | 17.0 | 25.6 |

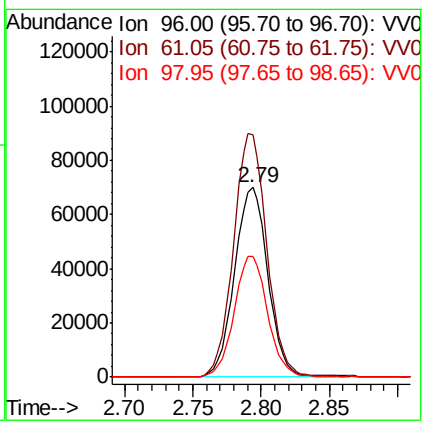


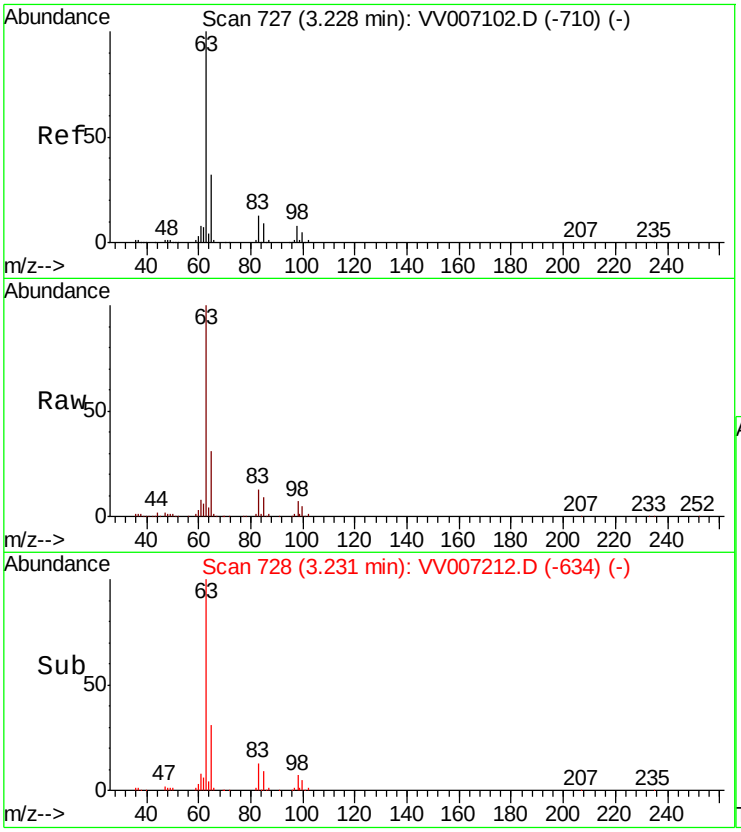




#18
trans-1,2-Dichloroethene
Concen: 4.735 ug/L
RT: 2.79 min Scan# 592
Delta R.T. 0.00 min
Lab File: VV007212.D
Acq: 27 Aug 2018 12:32

Tgt Ion: 96 Resp: 118462

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 127.7 | 91.4 | 169.8 |
| 98 | 64.0 | 44.7 | 83.1 |



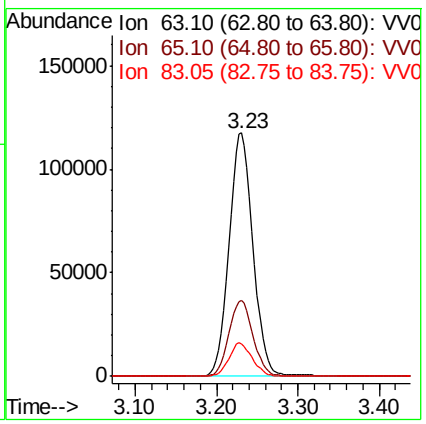


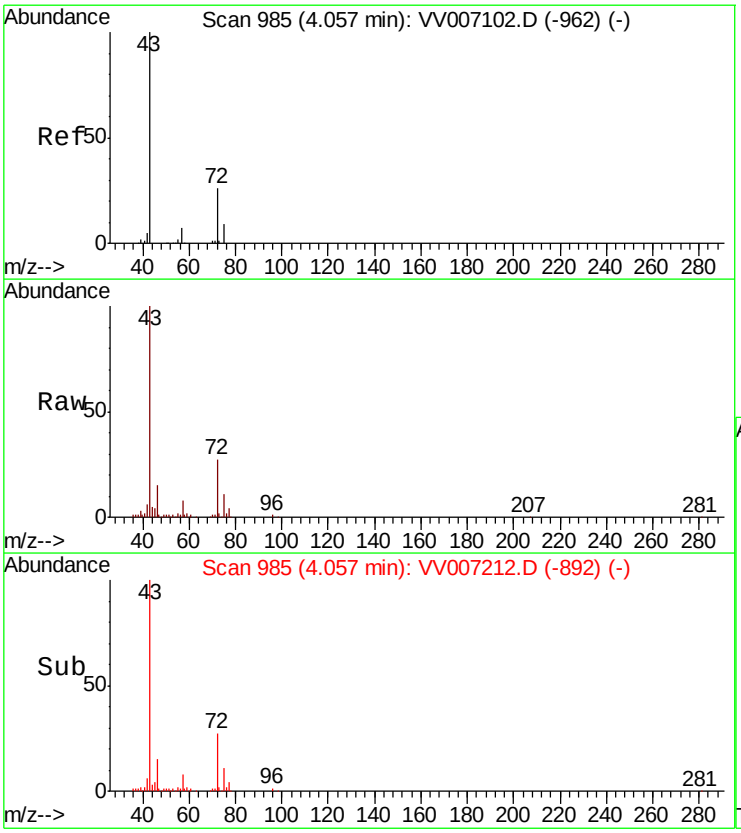

#19
1,1-Dichloroethane
Concen: 5.126 ug/L
RT: 3.23 min Scan# 728
Delta R.T. 0.00 min
Lab File: VV007212.D
Acq: 27 Aug 2018 12:32

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

Tgt Ion: 63 Resp: 242189

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.3 | 22.5 | 41.9 |
| 83 | 13.4 | 8.8 | 16.3 |

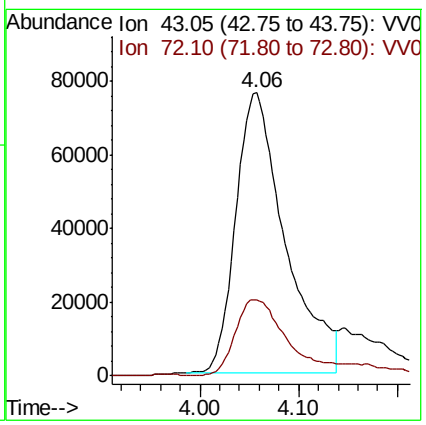


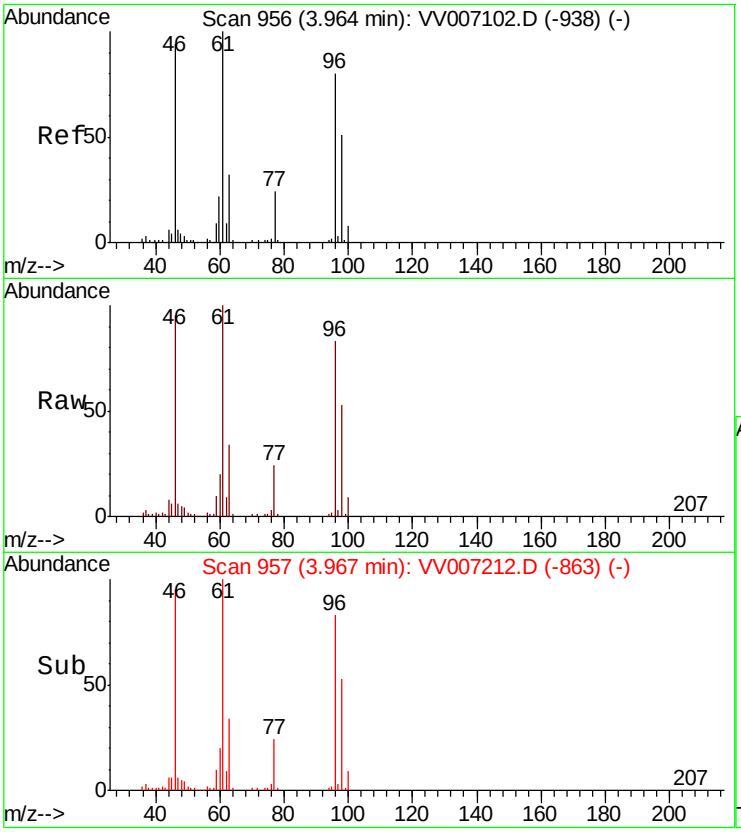




#21
2-Butanone
Concen: 41.148 ug/L
RT: 4.06 min Scan# 985
Delta R.T. -0.00 min
Lab File: VV007212.D
Acq: 27 Aug 2018 12:32

Tgt Ion: 43 Resp: 265267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 28.8 | 11.5 | 34.5 |



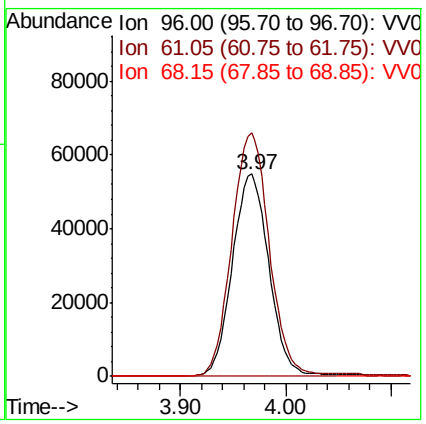


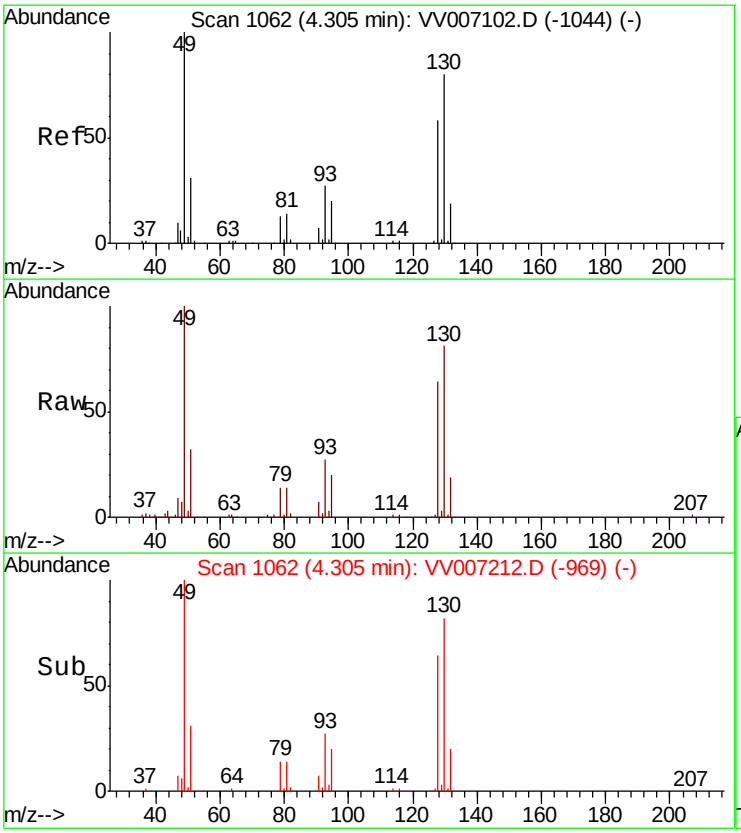

#22
cis-1,2-Dichloroethene
Concen: 4.783 ug/L
RT: 3.97 min Scan# 957
Delta R.T. 0.00 min
Lab File: VV007212.D
Acq: 27 Aug 2018 12:32

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

Tgt Ion: 96 Resp: 132197

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 120.4 | 87.7 | 162.9 |
| 68 | 0.0 | 0.0 | 0.0 |

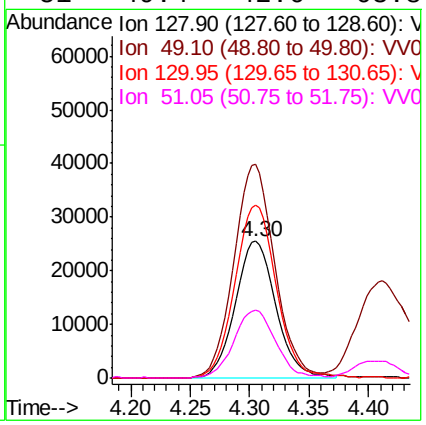


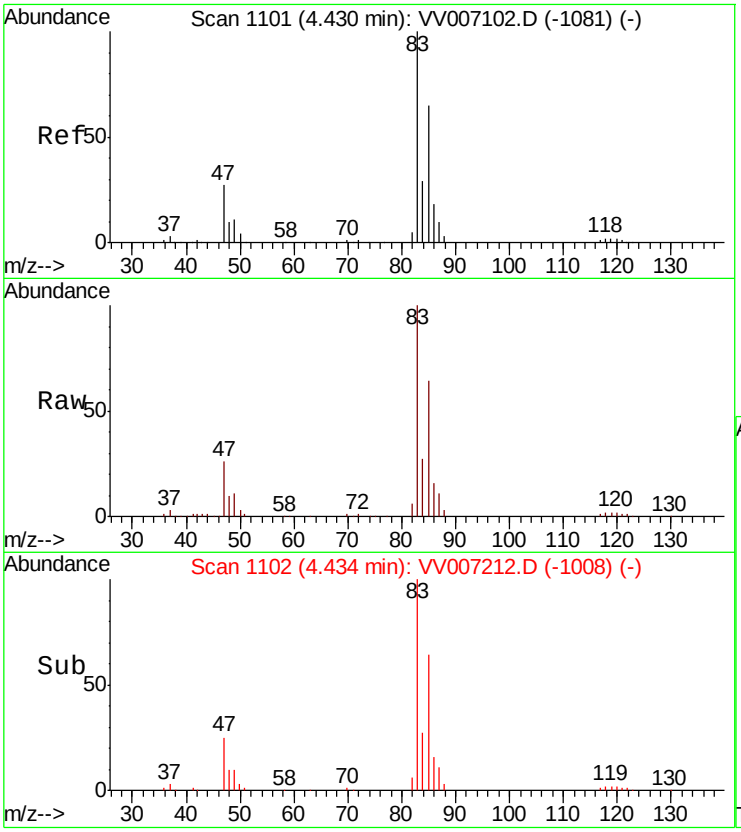




#23
Bromochloromethane
Concen: 4.775 ug/L
RT: 4.30 min Scan# 1062
Delta R.T. -0.00 min
Lab File: VV007212.D
Acq: 27 Aug 2018 12:32

Tgt Ion:128 Resp: 60239

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 49 | 156.1 | 120.0 | 222.8 |
| 130 | 126.6 | 96.0 | 178.4 |
| 51 | 49.4 | 42.6 | 63.8 |



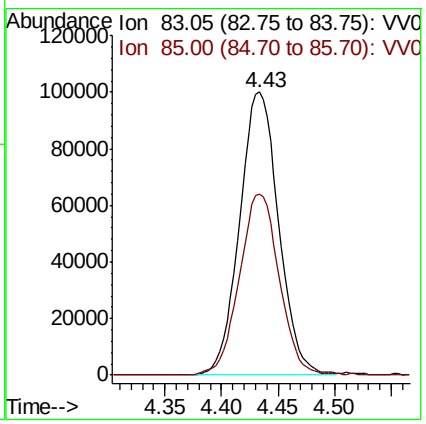


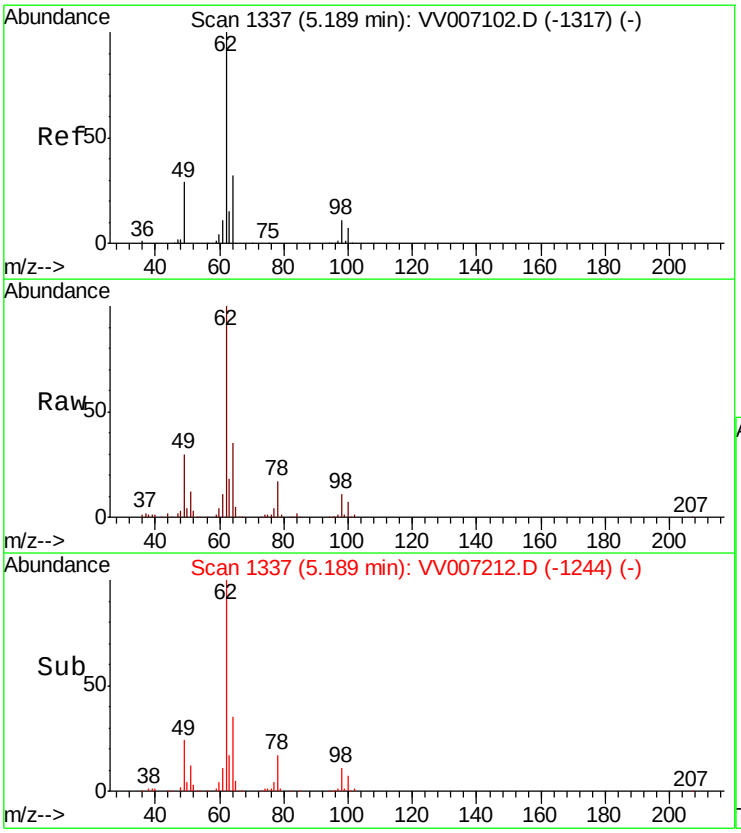

#25
Chloroform
Concen: 4.774 ug/L
RT: 4.43 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV007212.D
Acq: 27 Aug 2018 12:32

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

Tgt Ion: 83 Resp: 240639

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.9 | 45.5 | 84.5 |

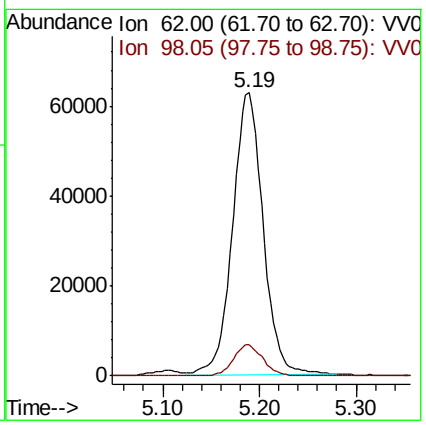


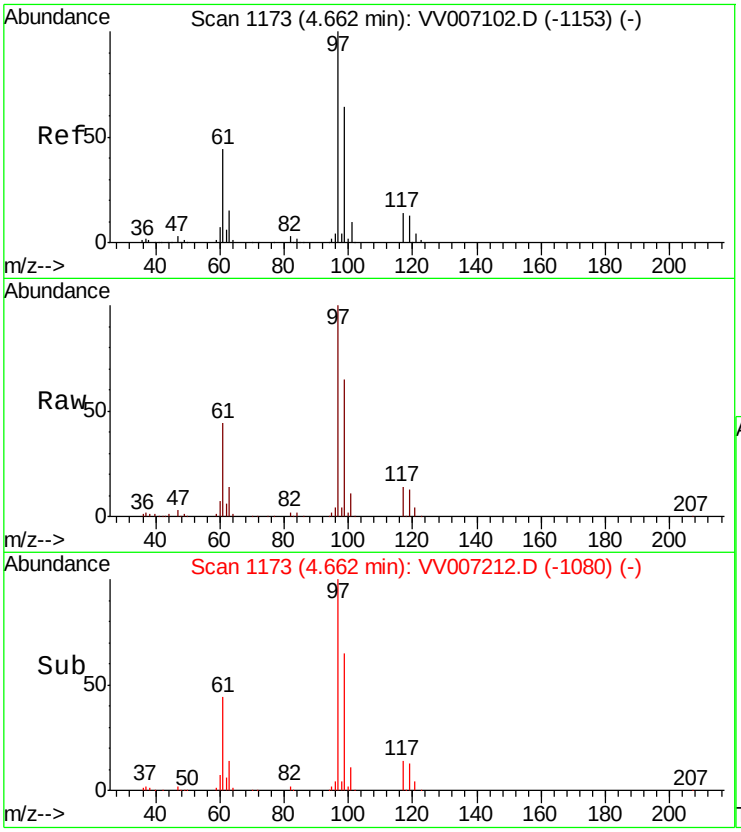




#27
1,2-Dichloroethane
Concen: 4.812 ug/L
RT: 5.19 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VV007212.D
Acq: 27 Aug 2018 12:32

Tgt Ion: 62 Resp: 137761

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 11.2 | 8.4 | 12.6 |



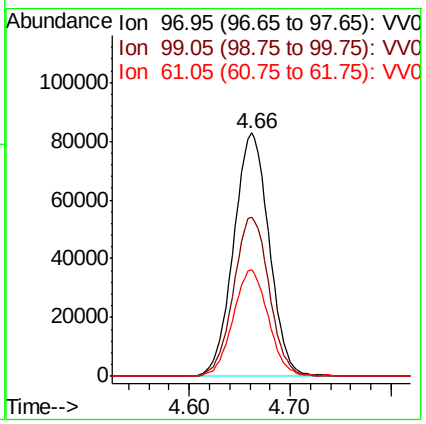


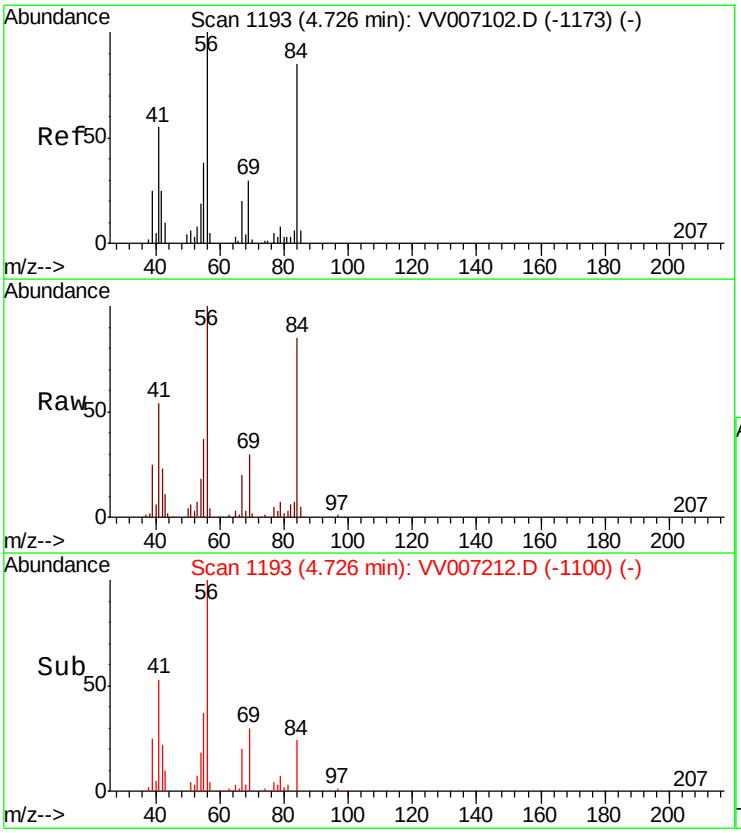

#29
1,1,1-Trichloroethane
Concen: 4.655 ug/L
RT: 4.66 min Scan# 1173
Delta R.T. -0.00 min
Lab File: VV007212.D
Acq: 27 Aug 2018 12:32

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

Tgt Ion: 97 Resp: 202189

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 65.5 | 51.3 | 76.9 |
| 61 | 43.3 | 35.3 | 52.9 |

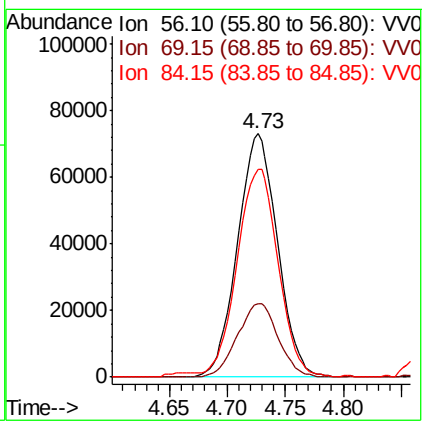


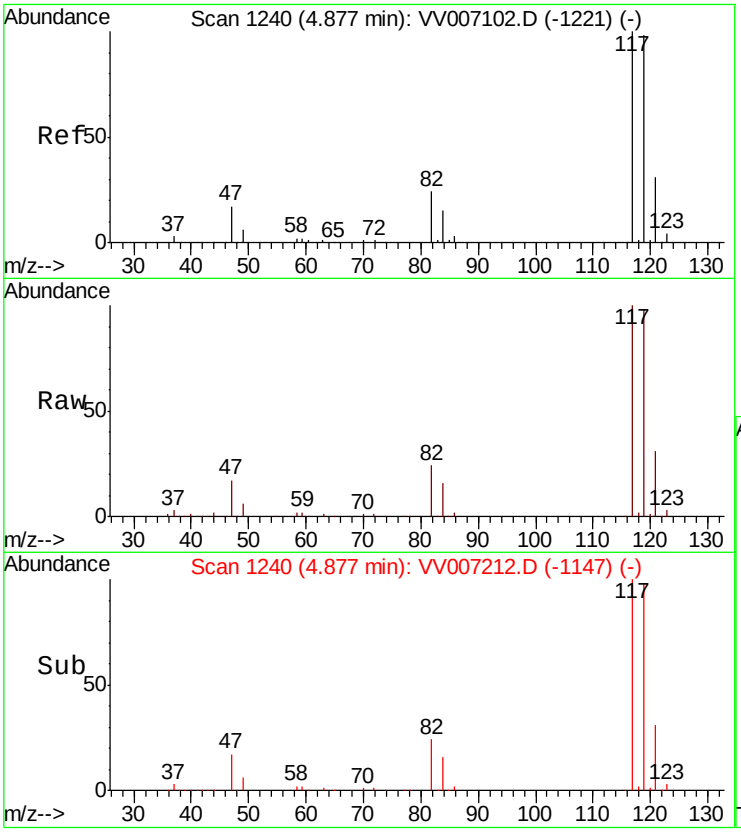




#30
Cyclohexane
Concen: 4.498 ug/L
RT: 4.73 min Scan# 1193
Delta R.T. -0.00 min
Lab File: VV007212.D
Acq: 27 Aug 2018 12:32

Tgt Ion: 56 Resp: 175241

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 30.8 | 24.3 | 36.5 |
| 84 | 87.2 | 69.8 | 104.6 |



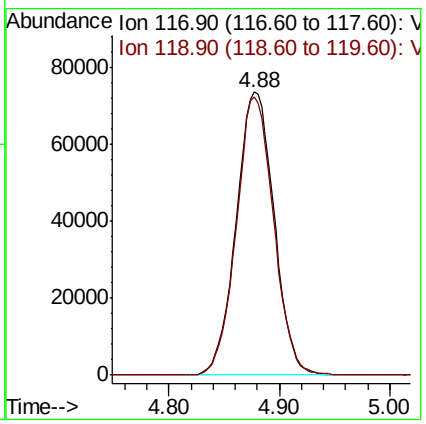


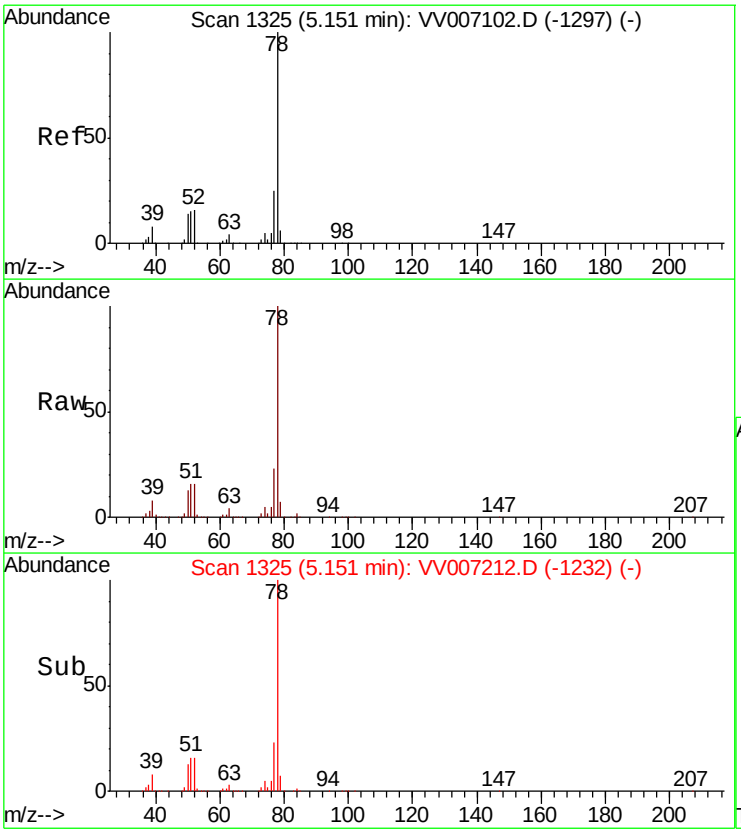

#31
Carbon tetrachloride
Concen: 4.807 ug/L
RT: 4.88 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VV007212.D
Acq: 27 Aug 2018 12:32

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

Tgt Ion:117 Resp: 174943

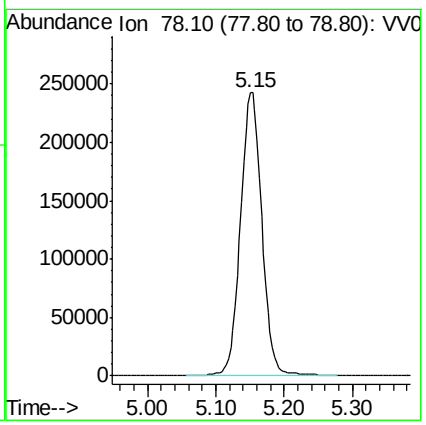
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 97.0 | 75.0 | 112.4 |

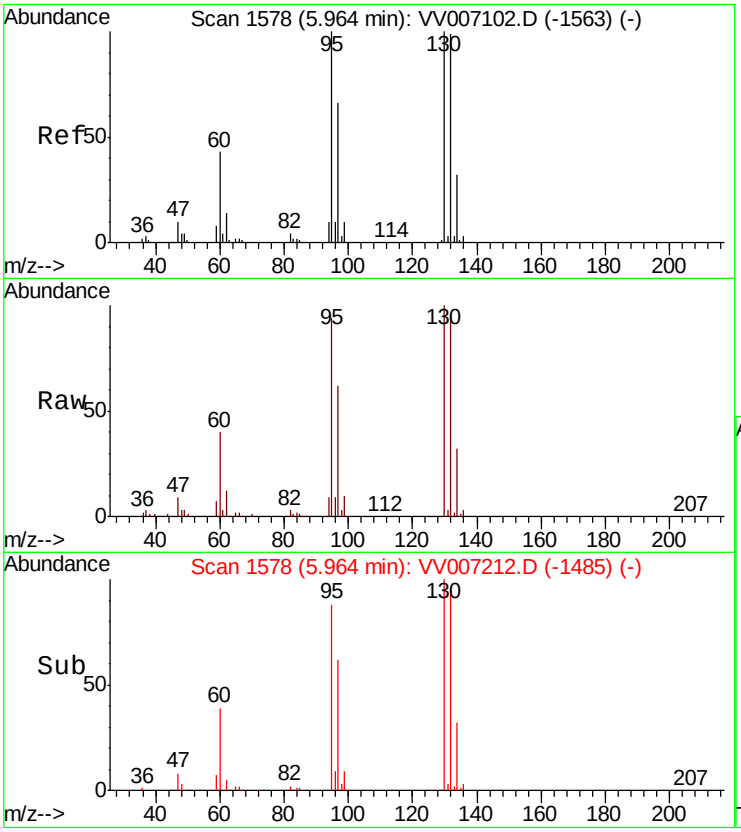



#33
Benzene
Concen: 4.804 ug/L
RT: 5.15 min Scan# 1325
Delta R.T. -0.00 min
Lab File: VV007212.D
Acq: 27 Aug 2018 12:32

Tgt Ion: 78 Resp: 530201



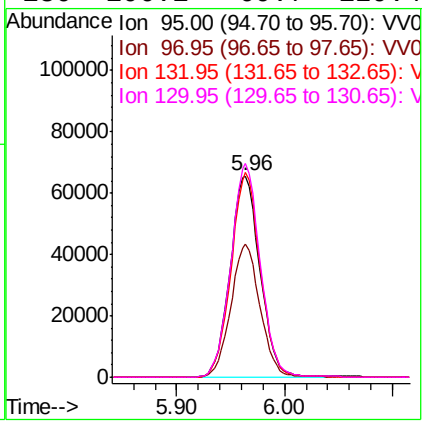


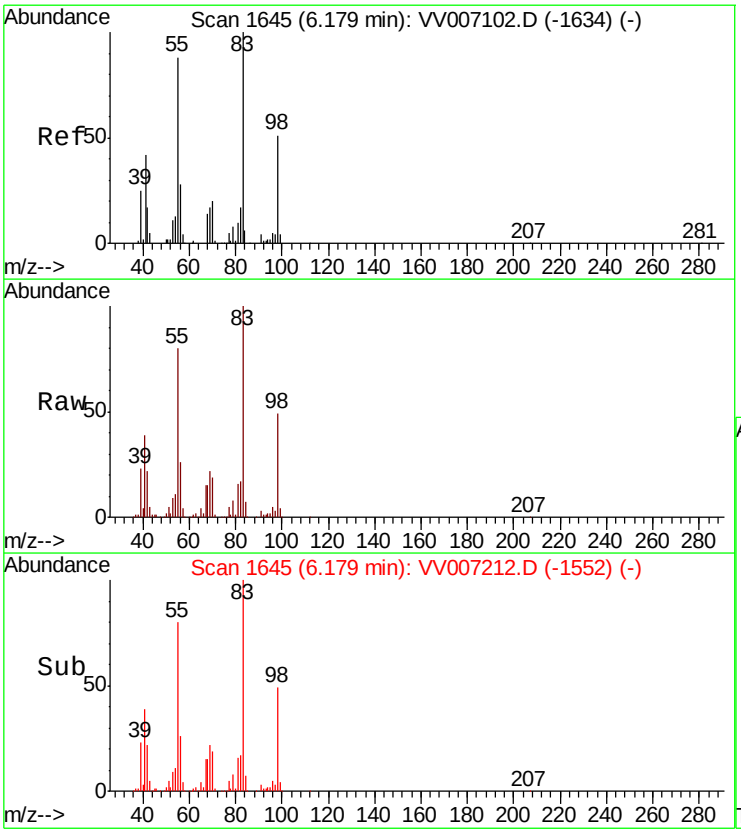

#34
Trichloroethene
Concen: 4.801 ug/L
RT: 5.96 min Scan# 1578
Delta R.T. -0.00 min
Lab File: VV007212.D
Acq: 27 Aug 2018 12:32

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

Tgt Ion: 95 Resp: 127540

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 65.9 | 46.0 | 85.4 |
| 132 | 101.8 | 69.2 | 128.4 |
| 130 | 106.1 | 69.7 | 129.4 |

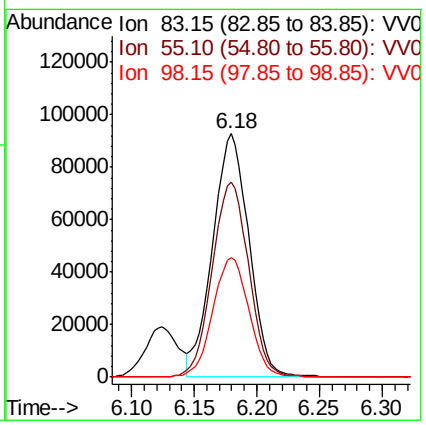


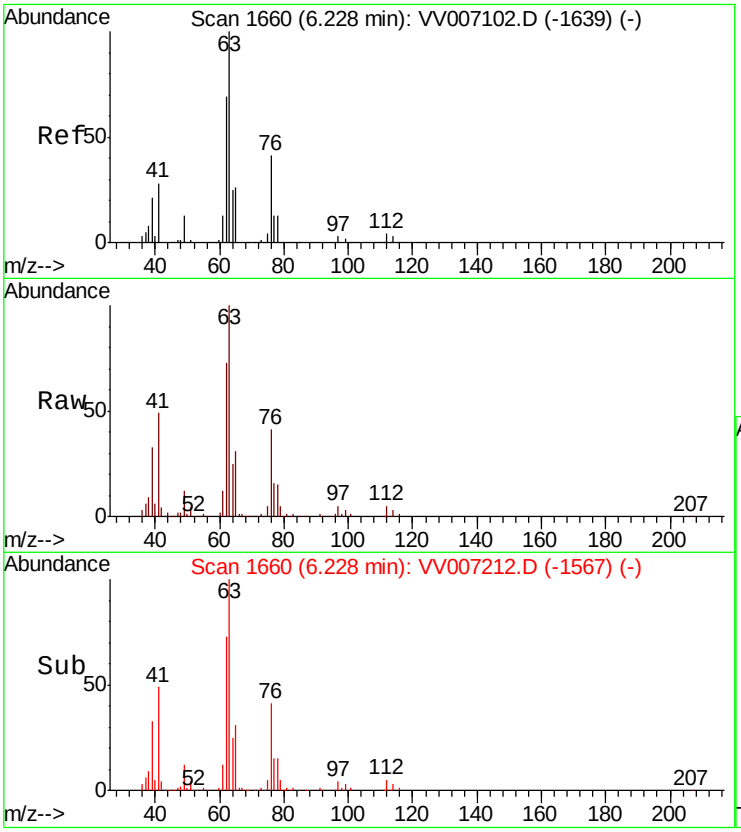




#35
Methylcyclohexane
Concen: 4.695 ug/L
RT: 6.18 min Scan# 1645
Delta R.T. -0.00 min
Lab File: VV007212.D
Acq: 27 Aug 2018 12:32

Tgt Ion: 83 Resp: 186577

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 80.6 | 65.5 | 98.3 |
| 98 | 49.3 | 38.5 | 57.7 |



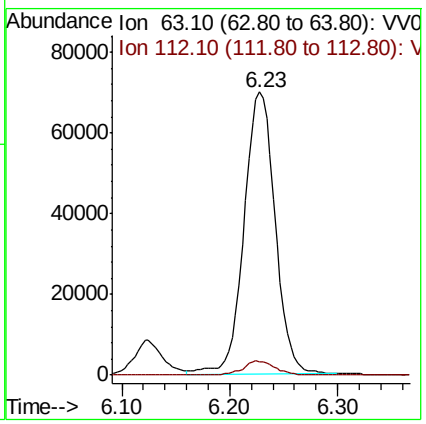


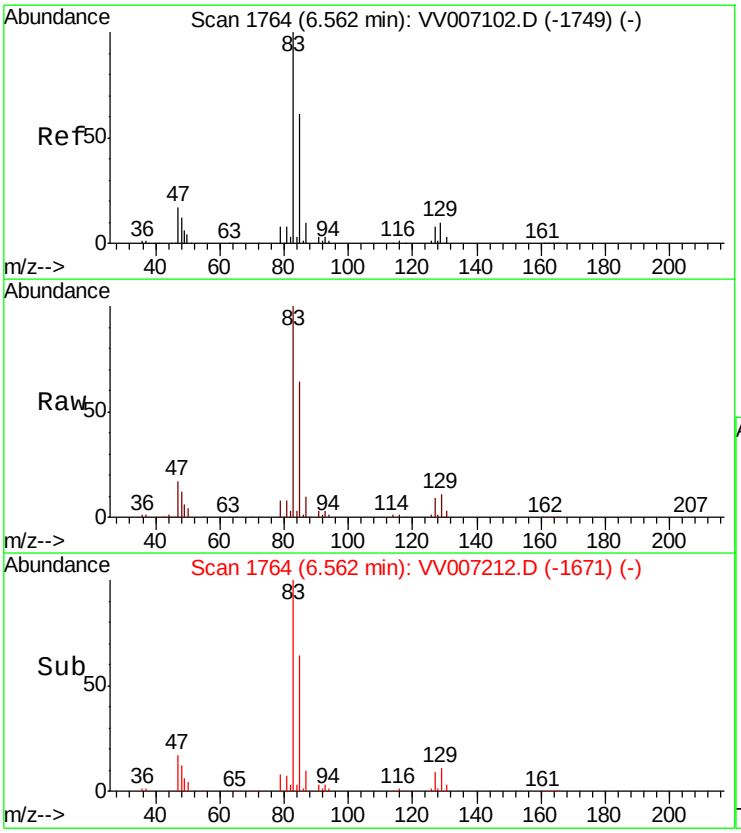

#37
1,2-Dichloropropane
Concen: 4.724 ug/L
RT: 6.23 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VV007212.D
Acq: 27 Aug 2018 12:32

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

Tgt Ion: 63 Resp: 140787

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 4.9 | 3.8 | 5.8 |

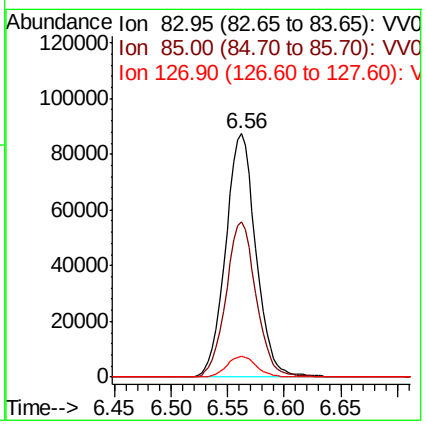


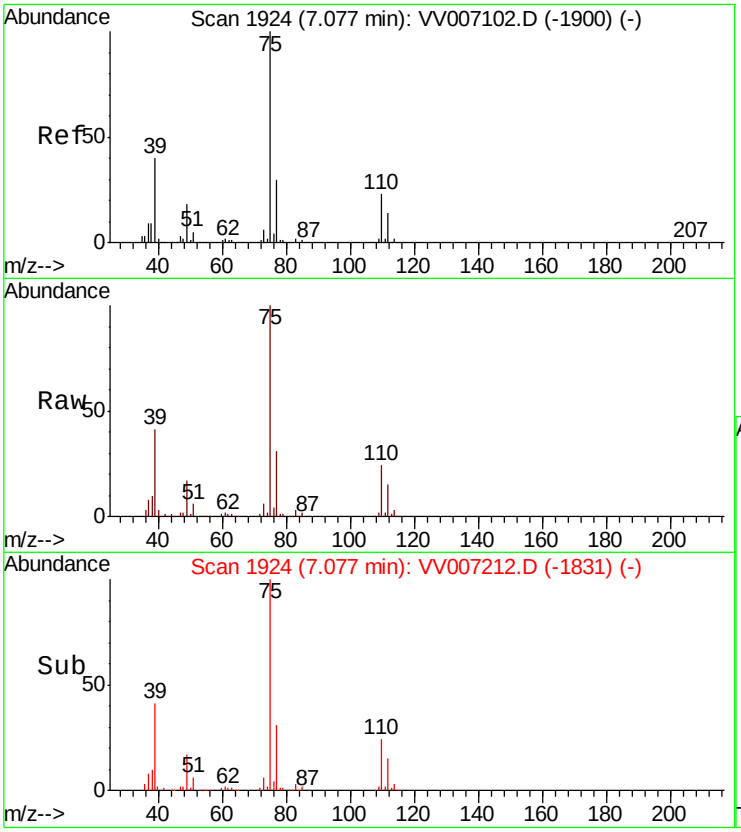




#38
Bromodichloromethane
Concen: 4.707 ug/L
RT: 6.56 min Scan# 1764
Delta R.T. -0.00 min
Lab File: VV007212.D
Acq: 27 Aug 2018 12:32

Tgt Ion: 83 Resp: 162981

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.9 | 42.8 | 79.4 |
| 127 | 8.6 | 6.6 | 10.0 |



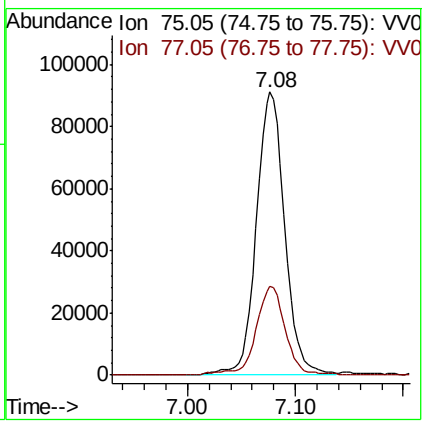


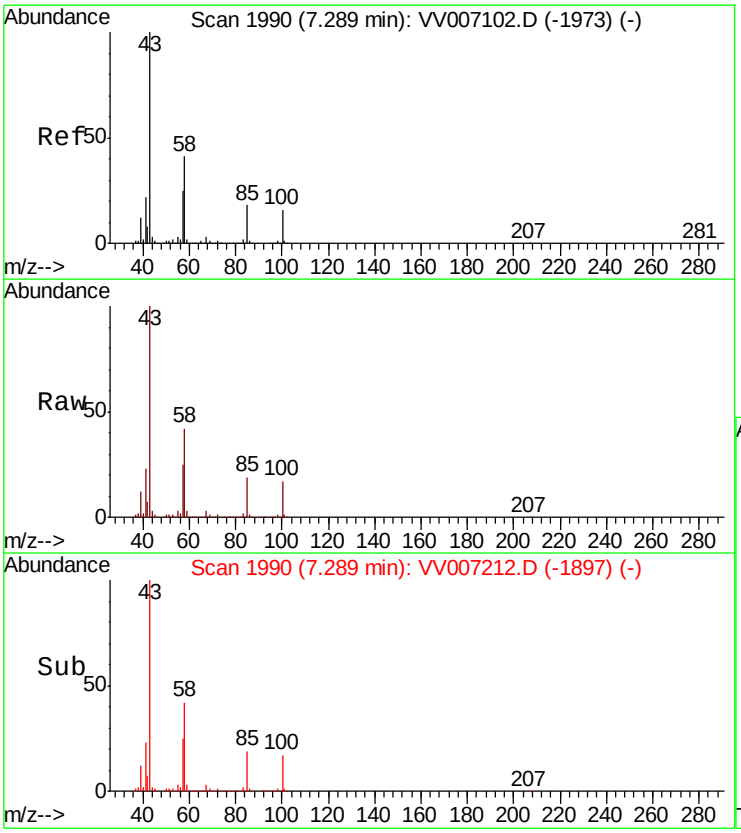

#39
cis-1,3-Dichloropropene
Concen: 4.714 ug/L
RT: 7.08 min Scan# 1924
Delta R.T. -0.00 min
Lab File: VV007212.D
Acq: 27 Aug 2018 12:32

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

Tgt Ion: 75 Resp: 166043

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.3 | 21.5 | 39.9 |

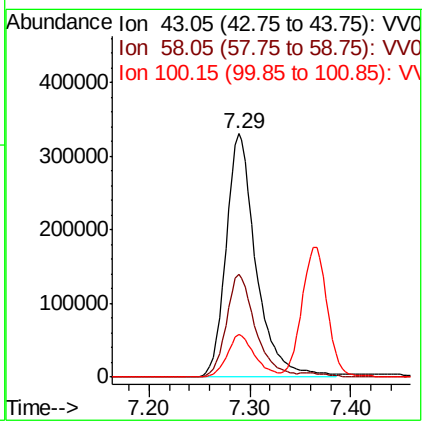


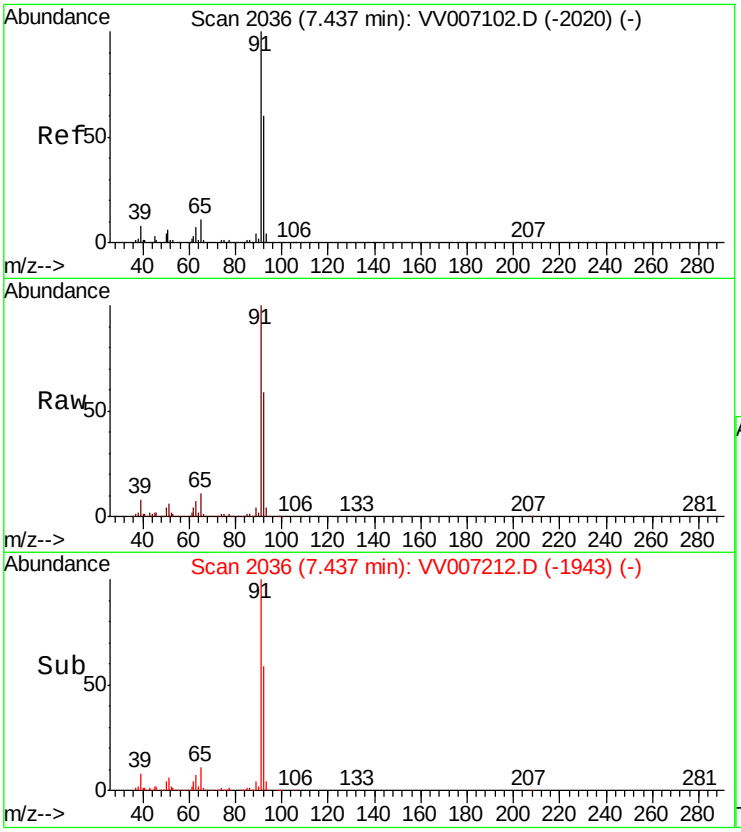




#40
4-Methyl-2-pentanone
Concen: 47.031 ug/L
RT: 7.29 min Scan# 1990
Delta R.T. -0.00 min
Lab File: VV007212.D
Acq: 27 Aug 2018 12:32

Tgt Ion: 43 Resp: 682545

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 41.0 | 32.2 | 48.4 |
| 100 | 16.1 | 12.3 | 18.5 |



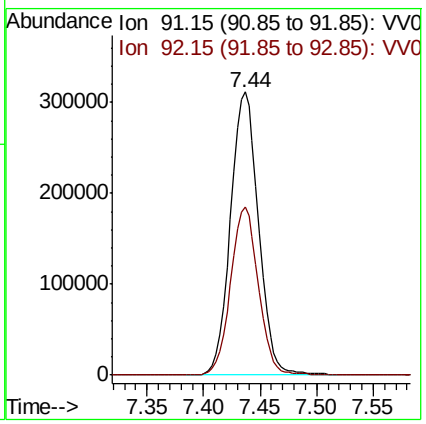


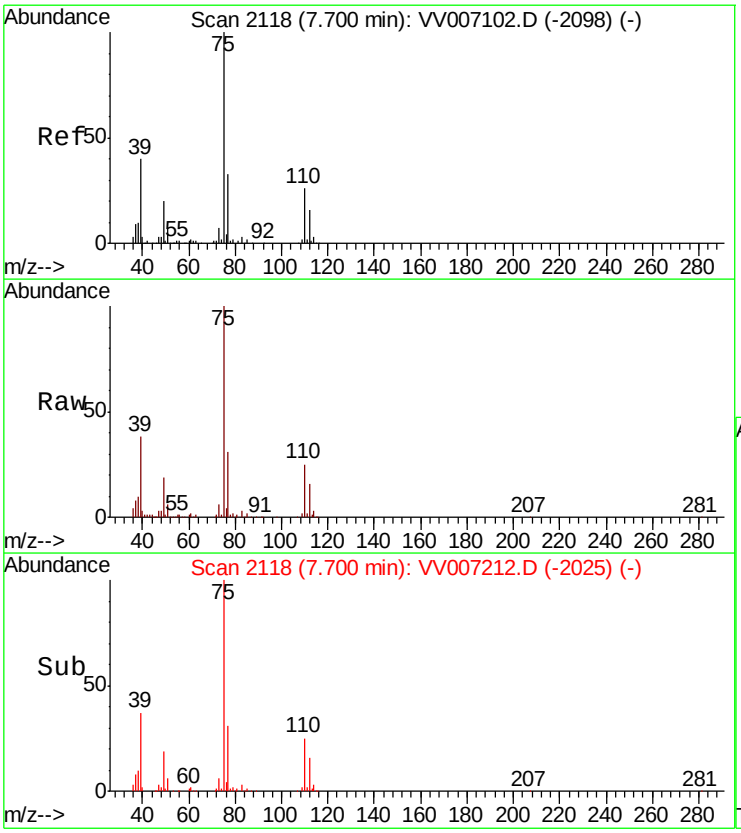

#42
Toluene
Concen: 5.089 ug/L
RT: 7.44 min Scan# 2036
Delta R.T. -0.00 min
Lab File: VV007212.D
Acq: 27 Aug 2018 12:32

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

Tgt Ion: 91 Resp: 537655

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 59.4 | 41.8 | 77.6 |

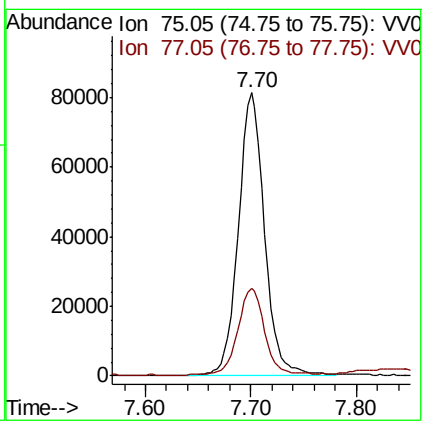


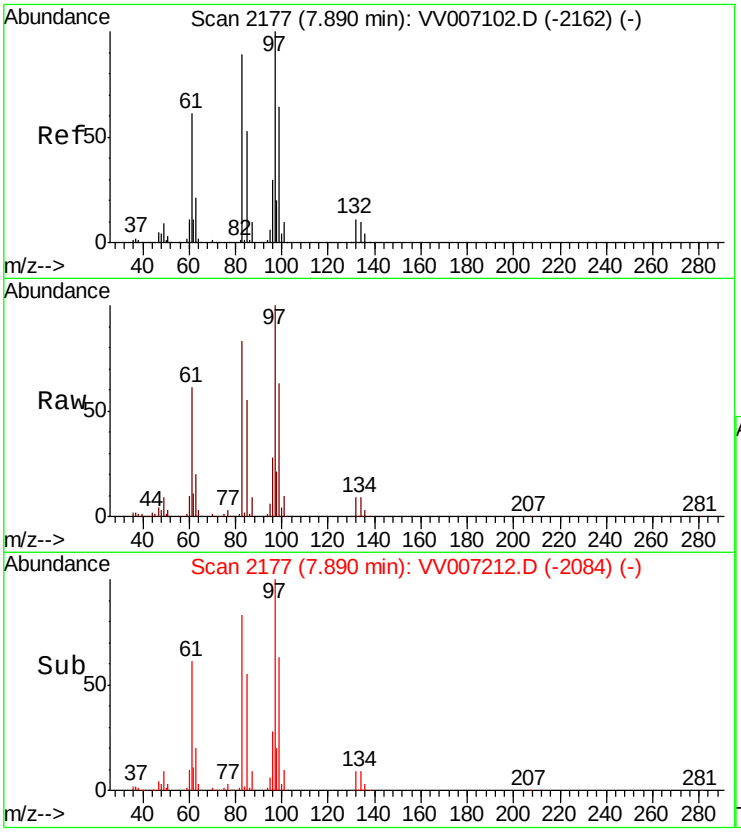




#44
trans-1,3-Dichloropropene
Concen: 4.795 ug/L
RT: 7.70 min Scan# 2118
Delta R.T. -0.00 min
Lab File: VV007212.D
Acq: 27 Aug 2018 12:32

Tgt Ion: 75 Resp: 140368

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.1 | 23.1 | 42.9 |



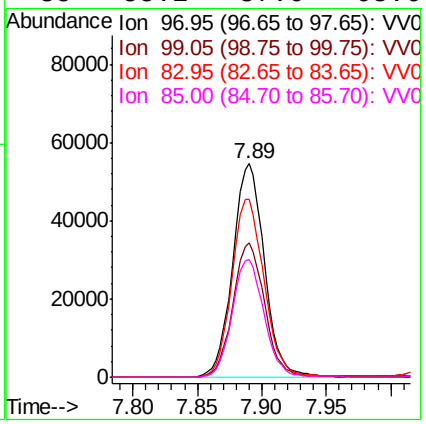


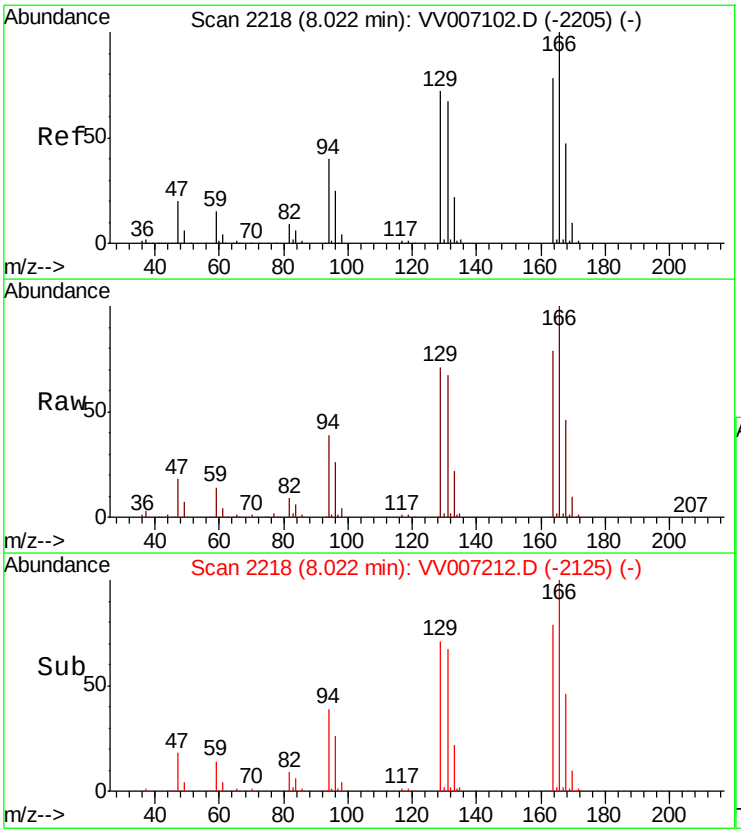

#45
1,1,2-Trichloroethane
Concen: 4.666 ug/L
RT: 7.89 min Scan# 2177
Delta R.T. -0.00 min
Lab File: VV007212.D
Acq: 27 Aug 2018 12:32

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

Tgt Ion: 97 Resp: 93305

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 62.9 | 44.9 | 83.5 |
| 83 | 83.3 | 62.4 | 115.8 |
| 85 | 55.2 | 37.0 | 68.6 |

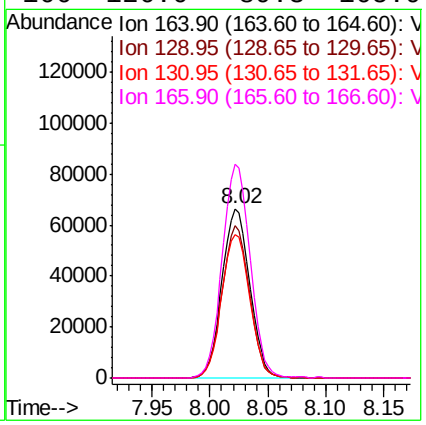


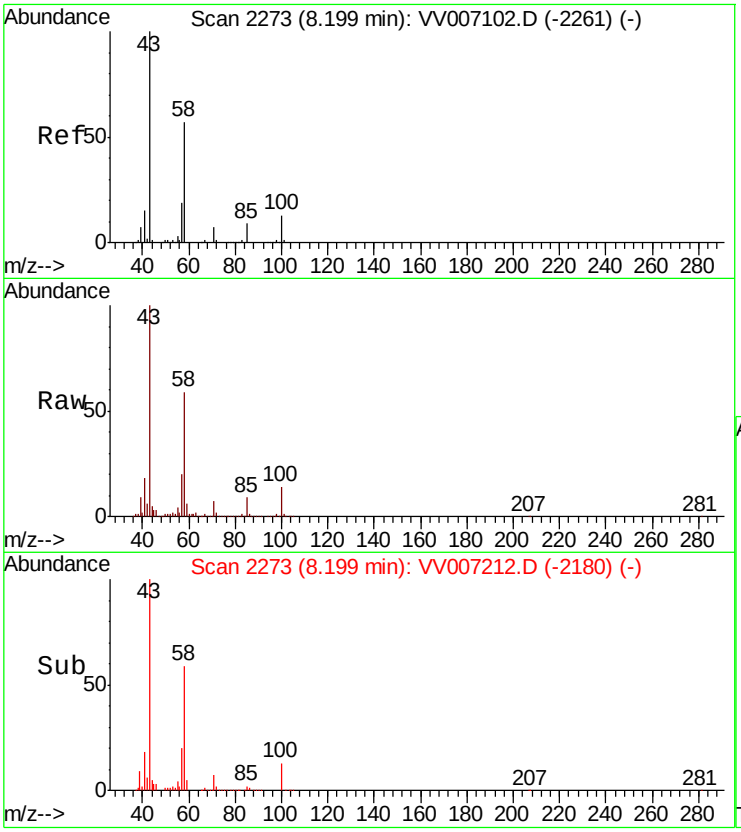




#47
Tetrachloroethene
Concen: 4.959 ug/L
RT: 8.02 min Scan# 2218
Delta R.T. -0.00 min
Lab File: VV007212.D
Acq: 27 Aug 2018 12:32

Tgt Ion:164 Resp: 110022

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 89.8 | 64.8 | 120.3 |
| 131 | 84.9 | 60.1 | 111.5 |
| 166 | 126.0 | 89.3 | 165.9 |



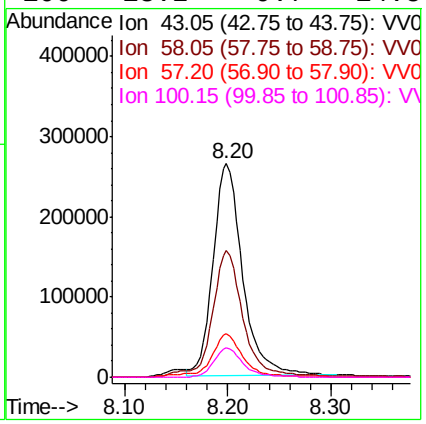


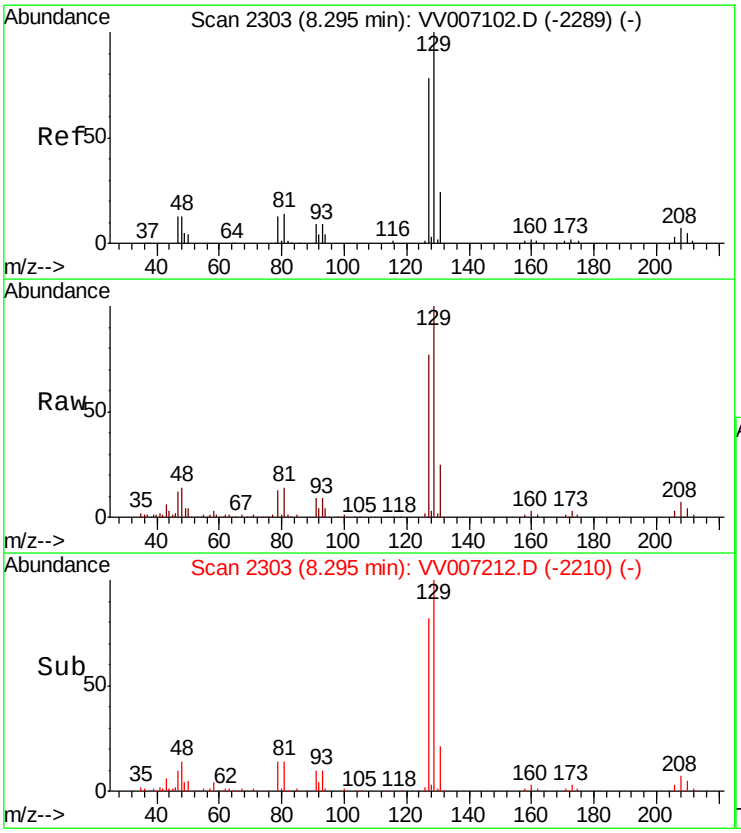

#48
2-Hexanone
Concen: 48.545 ug/L
RT: 8.20 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VV007212.D
Acq: 27 Aug 2018 12:32

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

Tgt Ion: 43 Resp: 529662

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 62.9 | 47.7 | 71.5 |
| 57 | 22.2 | 15.4 | 23.0 |
| 100 | 13.2 | 9.7 | 14.5 |

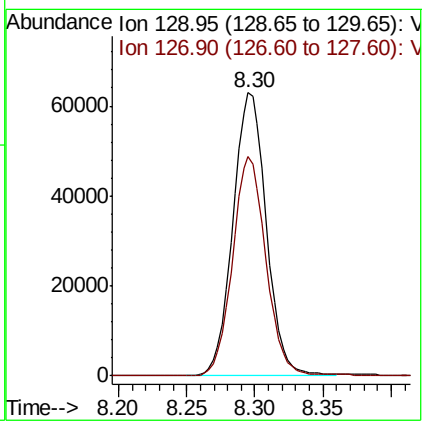


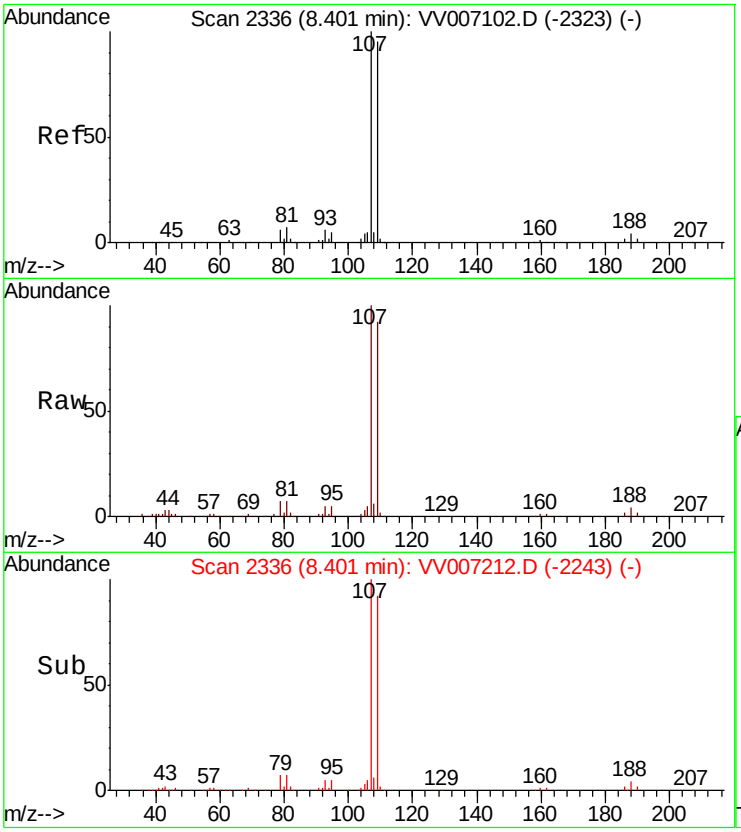




#49
Dibromochloromethane
Concen: 4.864 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VV007212.D
Acq: 27 Aug 2018 12:32

Tgt Ion:129 Resp: 107089

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.3 | 54.8 | 101.8 |



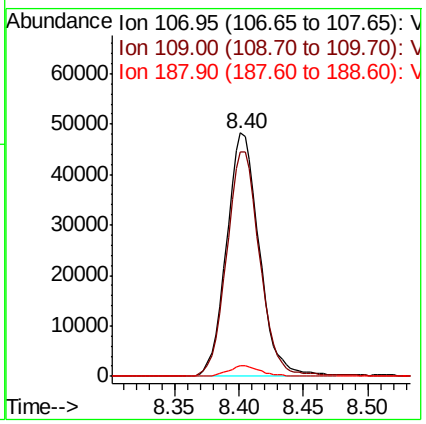


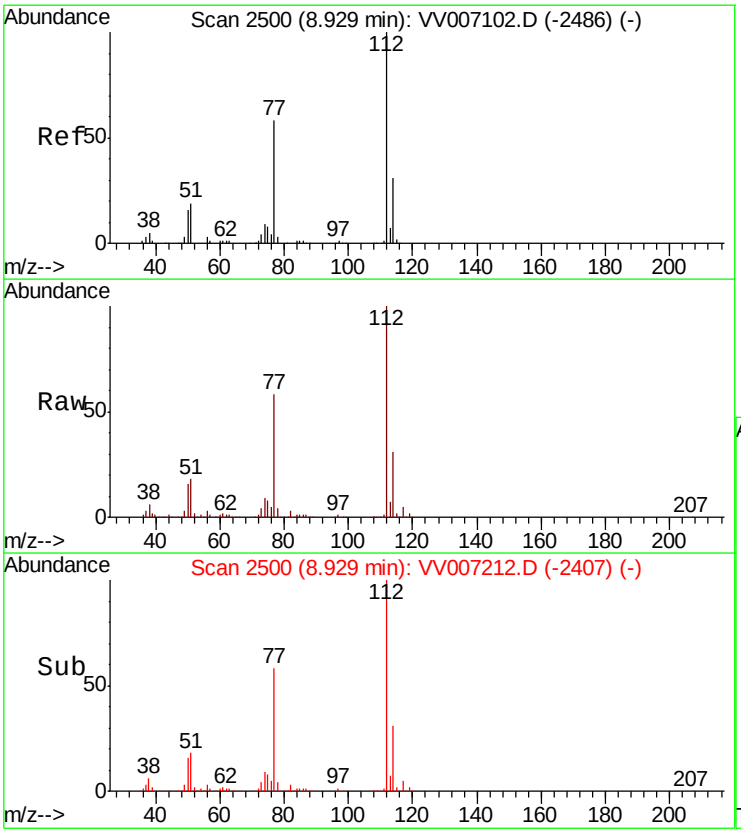

#50
1,2-Dibromoethane
Concen: 5.069 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. -0.00 min
Lab File: VV007212.D
Acq: 27 Aug 2018 12:32

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

Tgt Ion:107 Resp: 84941

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 92.4 | 66.8 | 124.2 |
| 188 | 4.3 | 2.9 | 4.3 |

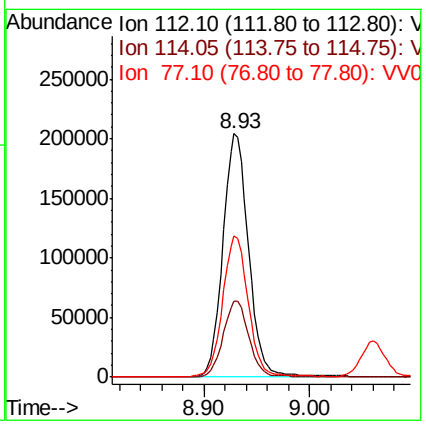


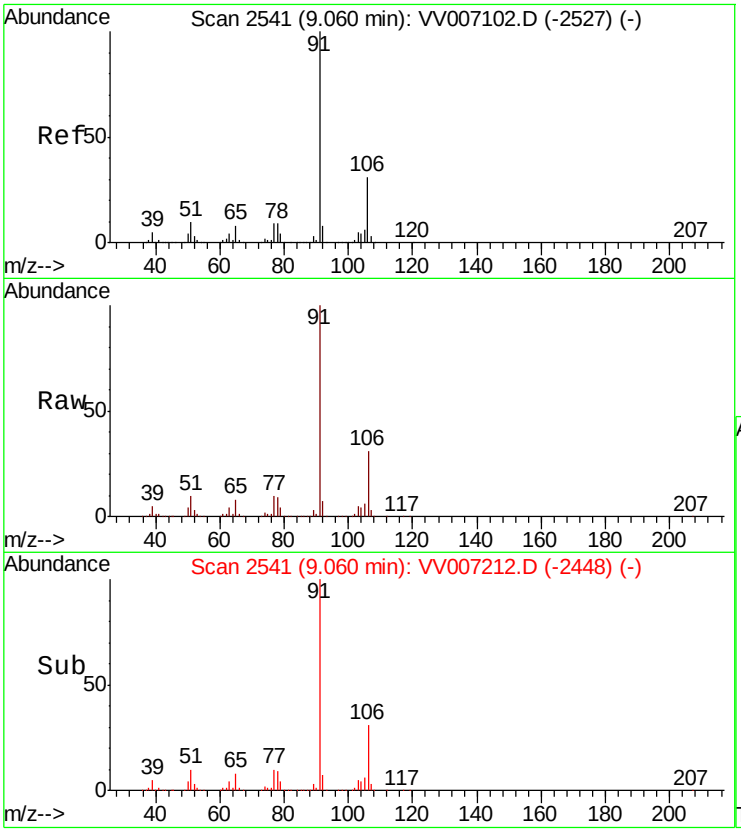




#51
Chlorobenzene
Concen: 4.934 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. -0.00 min
Lab File: VV007212.D
Acq: 27 Aug 2018 12:32

Tgt Ion:112 Resp: 343507

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.4 | 21.9 | 40.7 |
| 77 | 58.2 | 46.9 | 70.3 |



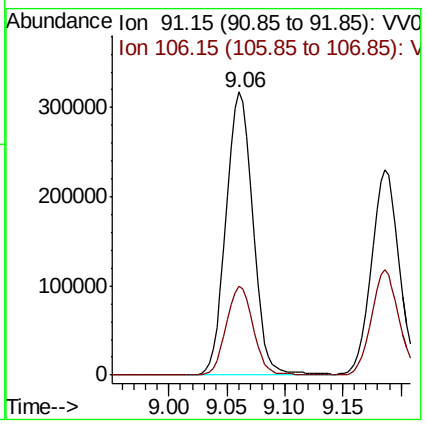


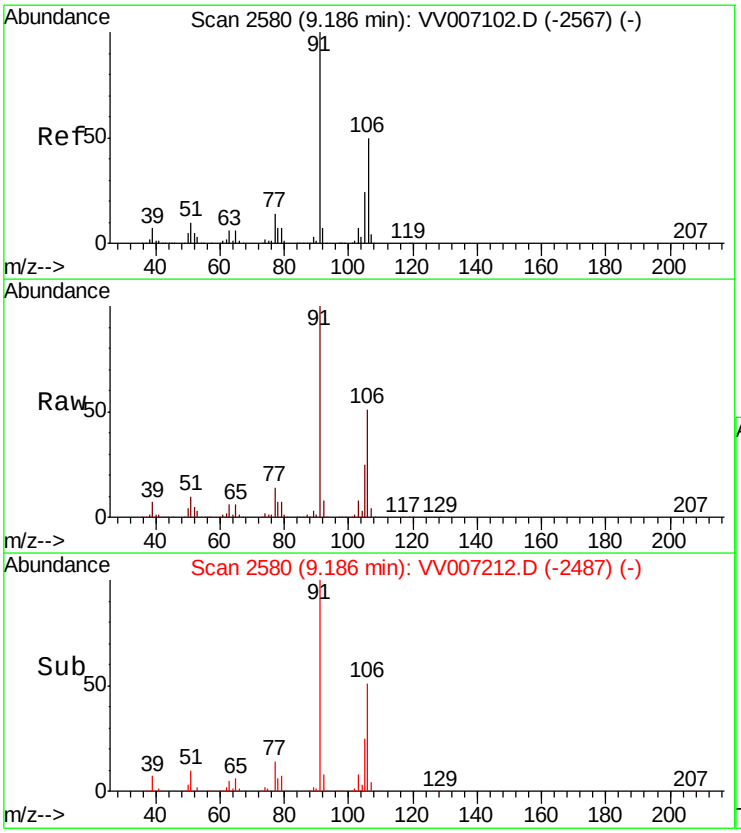

#52
Ethylbenzene
Concen: 4.890 ug/L
RT: 9.06 min Scan# 2541
Delta R.T. -0.00 min
Lab File: VV007212.D
Acq: 27 Aug 2018 12:32

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

Tgt Ion: 91 Resp: 508876

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 31.2 | 21.7 | 40.3 |

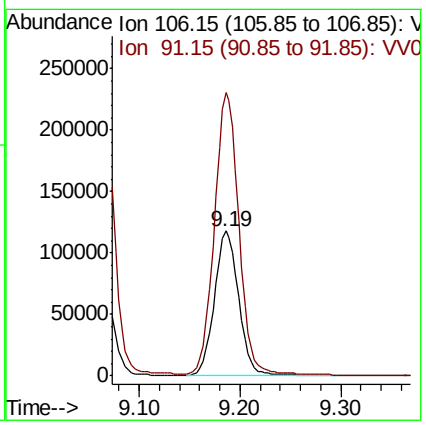


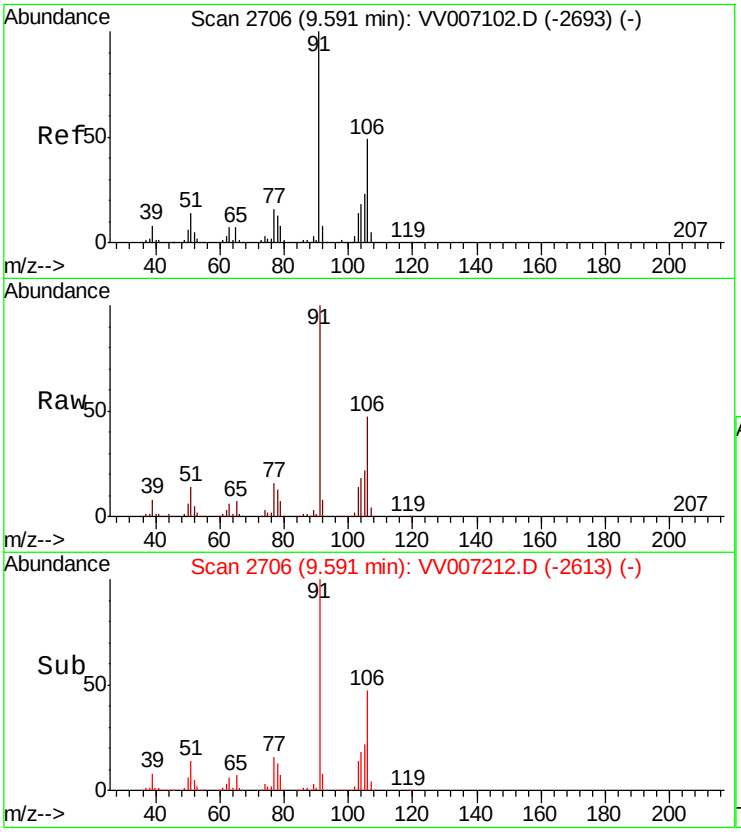




#53
m,p-xylene
Concen: 5.000 ug/L
RT: 9.19 min Scan# 2580
Delta R.T. -0.00 min
Lab File: VV007212.D
Acq: 27 Aug 2018 12:32

Tgt Ion:106 Resp: 197061

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 195.7 | 141.5 | 262.7 |



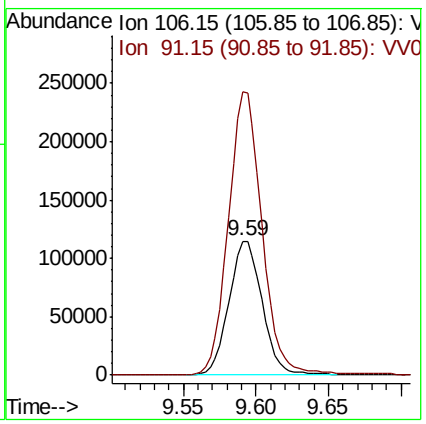


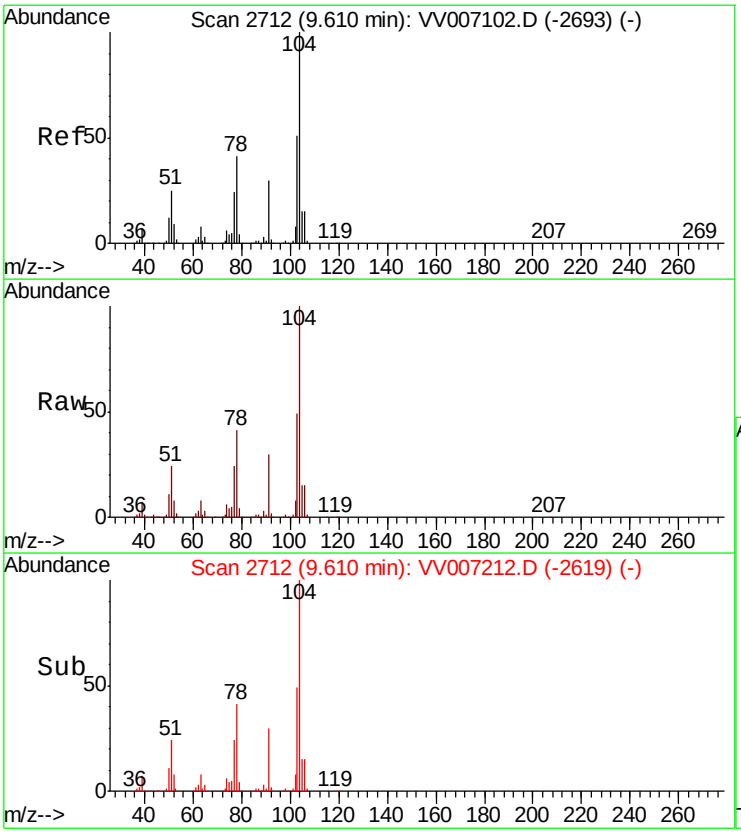

#54
o-xylene
Concen: 4.885 ug/L
RT: 9.59 min Scan# 2706
Delta R.T. -0.00 min
Lab File: VV007212.D
Acq: 27 Aug 2018 12:32

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

Tgt Ion:106 Resp: 183610

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 211.4 | 144.2 | 267.8 |

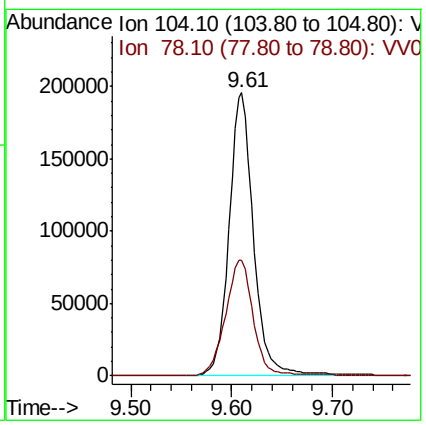


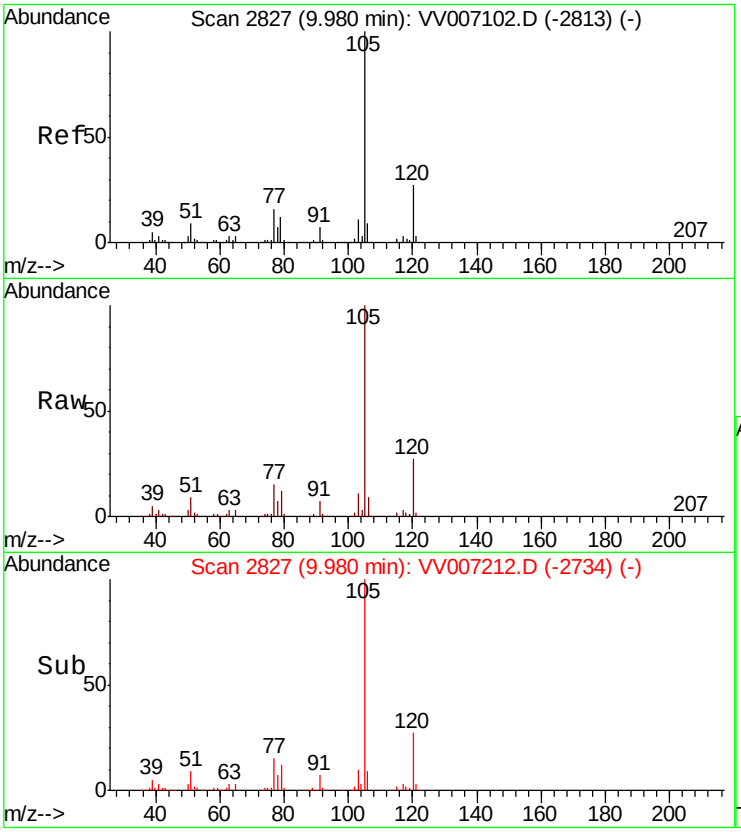




#55
Styrene
Concen: 5.159 ug/L
RT: 9.61 min Scan# 2712
Delta R.T. -0.00 min
Lab File: VV007212.D
Acq: 27 Aug 2018 12:32

Tgt Ion:104 Resp: 330524

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 40.7 | 28.9 | 53.7 |



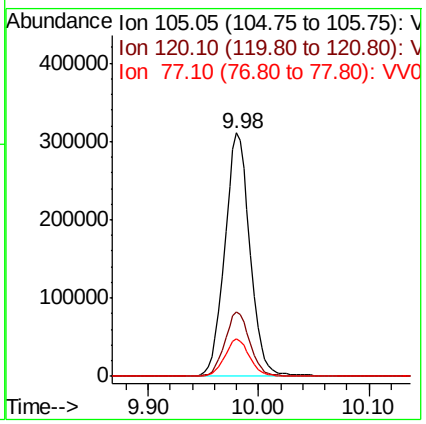


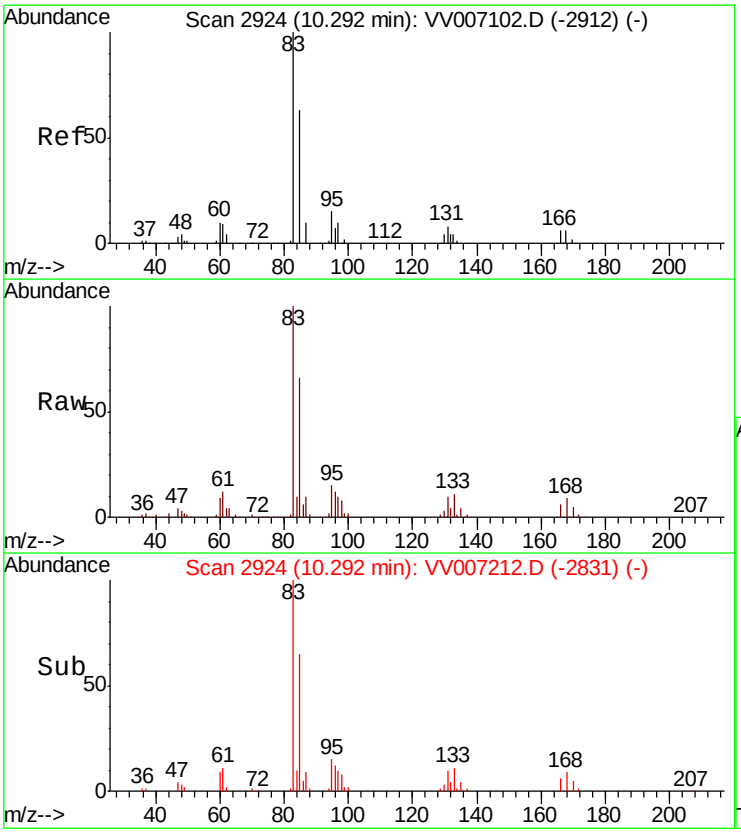

#56
Isopropylbenzene
Concen: 5.041 ug/L
RT: 9.98 min Scan# 2827
Delta R.T. -0.00 min
Lab File: VV007212.D
Acq: 27 Aug 2018 12:32

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

Tgt Ion:105 Resp: 491985

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.4 | 21.8 | 32.8 |
| 77 | 15.1 | 12.6 | 18.8 |

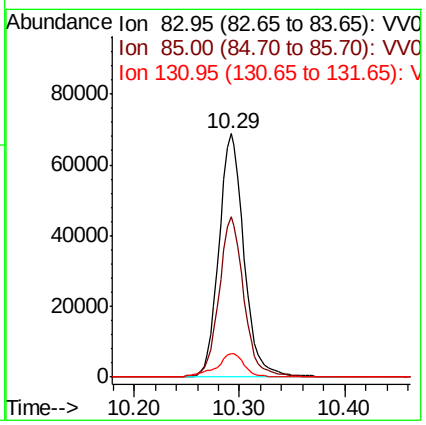


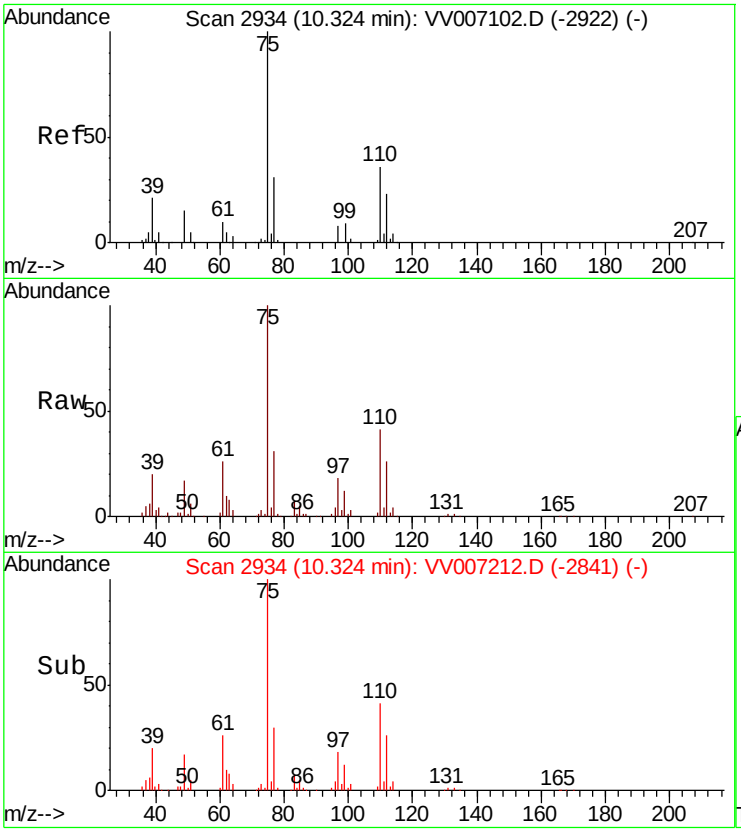




#58
1,1,2,2-Tetrachloroethane
Concen: 4.788 ug/L
RT: 10.29 min Scan# 2924
Delta R.T. -0.00 min
Lab File: VV007212.D
Acq: 27 Aug 2018 12:32

Tgt Ion: 83 Resp: 113004

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.7 | 44.4 | 82.5 |
| 131 | 9.7 | 7.3 | 10.9 |



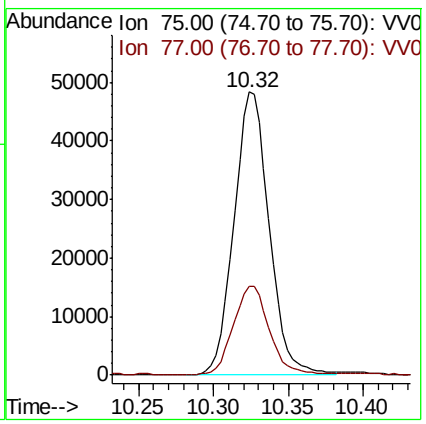


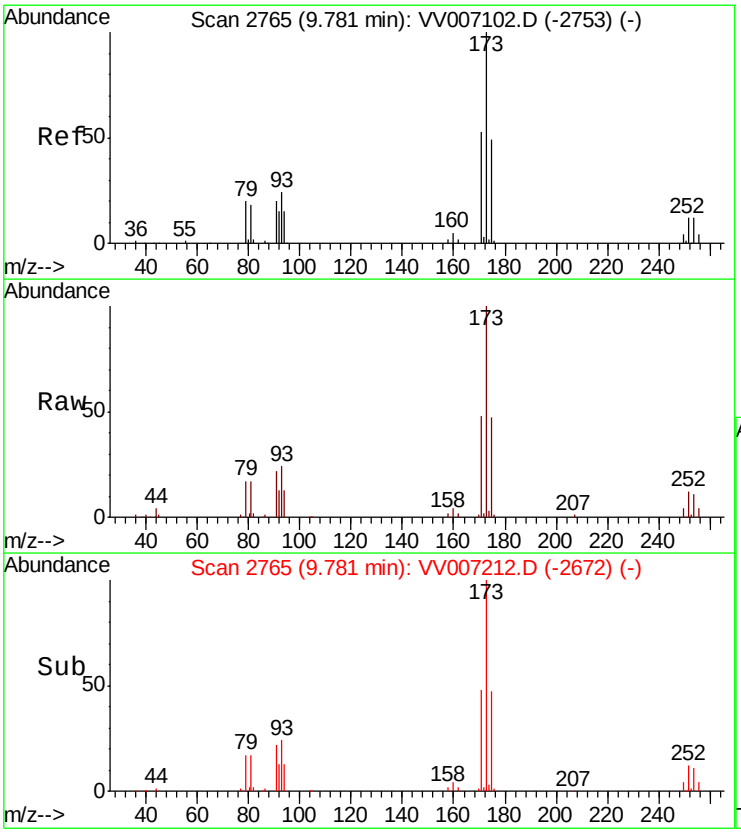

#59
1,2,3-Trichloropropane
Concen: 4.648 ug/L
RT: 10.32 min Scan# 2934
Delta R.T. -0.00 min
Lab File: VV007212.D
Acq: 27 Aug 2018 12:32

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

Tgt Ion: 75 Resp: 79241

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.7 | 25.6 | 38.4 |

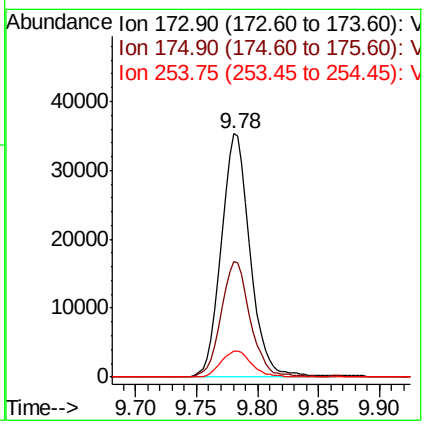


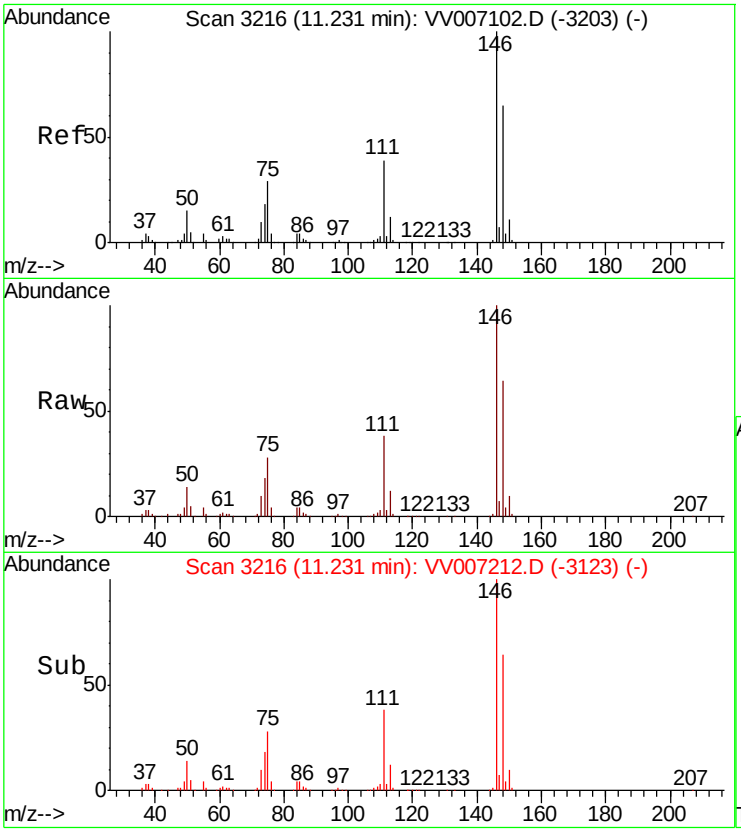




#61
Bromoform
Concen: 4.652 ug/L
RT: 9.78 min Scan# 2765
Delta R.T. -0.00 min
Lab File: VV007212.D
Acq: 27 Aug 2018 12:32

Tgt Ion:173 Resp: 58811

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 47.9 | 38.9 | 58.3 |
| 254 | 11.4 | 9.6 | 14.4 |



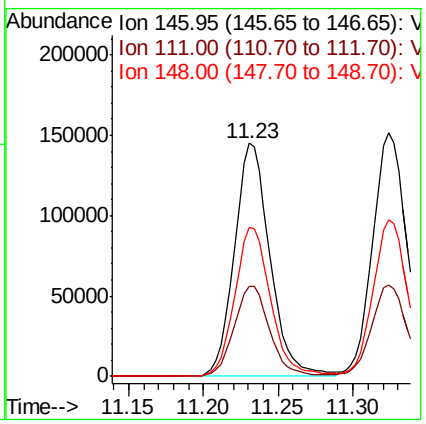


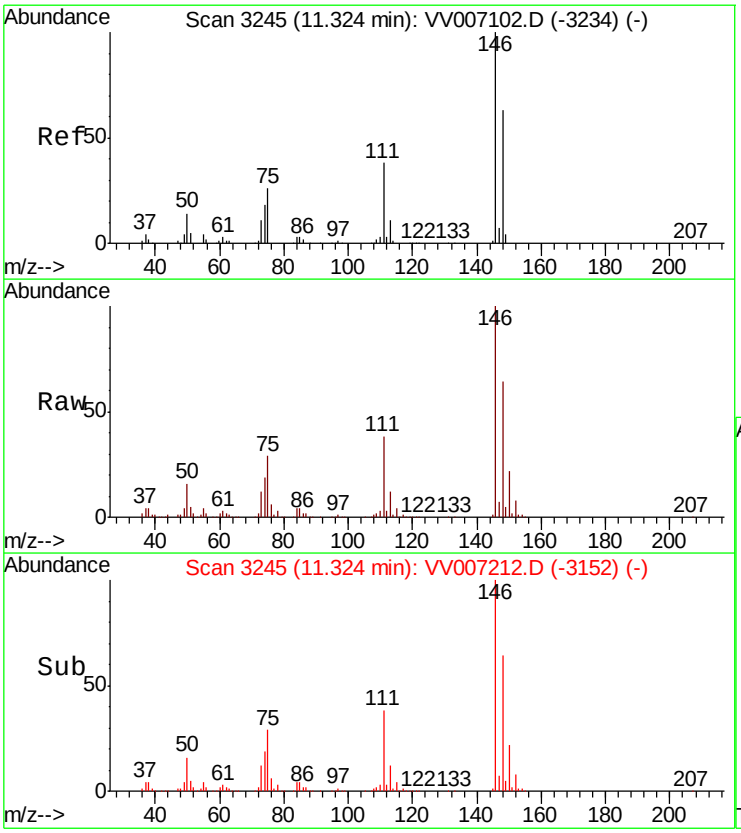

#62
1,3-Dichlorobenzene
Concen: 4.699 ug/L
RT: 11.23 min Scan# 3216
Delta R.T. -0.00 min
Lab File: VV007212.D
Acq: 27 Aug 2018 12:32

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

Tgt Ion:146 Resp: 239699

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 38.4 | 27.4 | 50.8 |
| 148 | 63.7 | 45.3 | 84.1 |

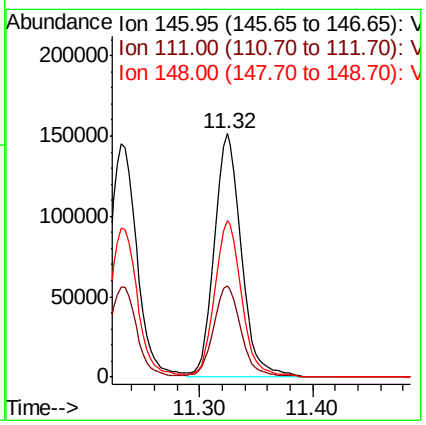


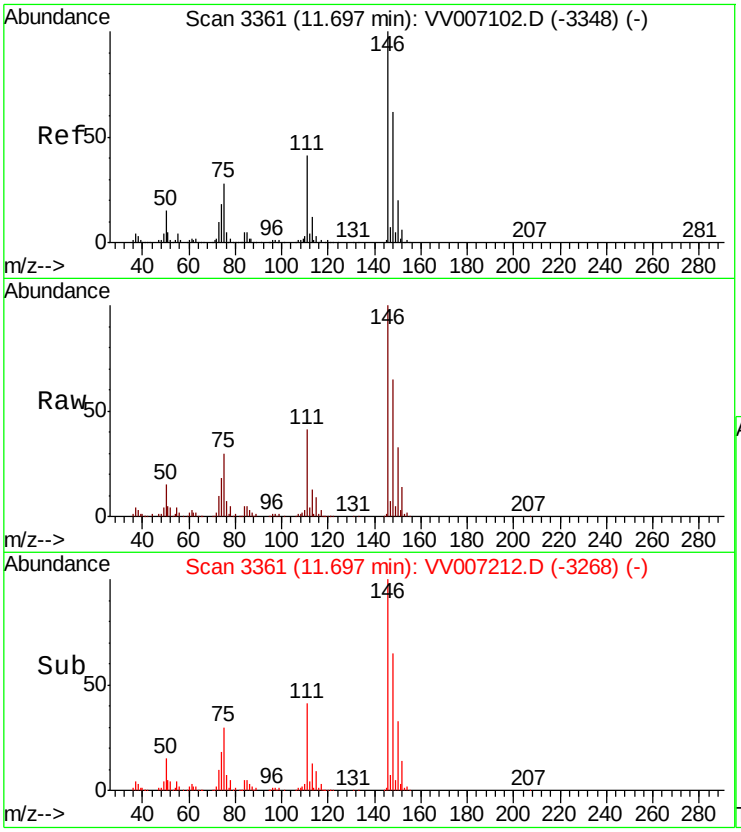




#63
1,4-Dichlorobenzene
Concen: 4.707 ug/L
RT: 11.32 min Scan# 3245
Delta R.T. -0.00 min
Lab File: VV007212.D
Acq: 27 Aug 2018 12:32

Tgt Ion:146 Resp: 251734

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 37.6 | 26.7 | 49.7 |
| 148 | 64.4 | 44.4 | 82.4 |



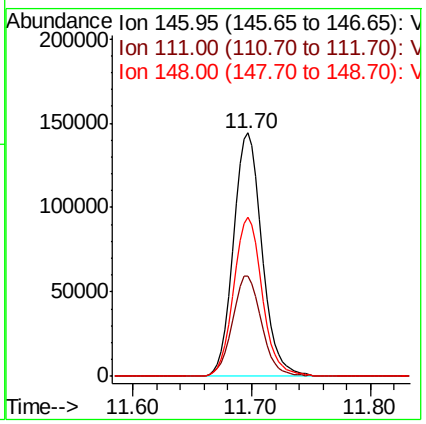


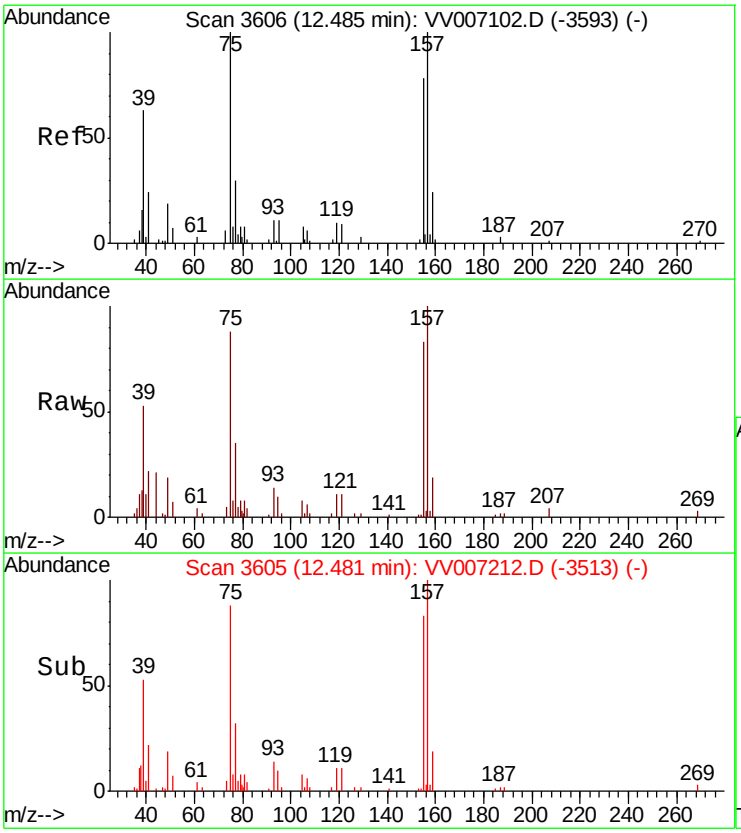

#65
1,2-Dichlorobenzene
Concen: 4.681 ug/L
RT: 11.70 min Scan# 3361
Delta R.T. -0.00 min
Lab File: VV007212.D
Acq: 27 Aug 2018 12:32

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

Tgt Ion:146 Resp: 240129

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.3 | 32.7 | 49.1 |
| 148 | 65.2 | 49.8 | 74.6 |

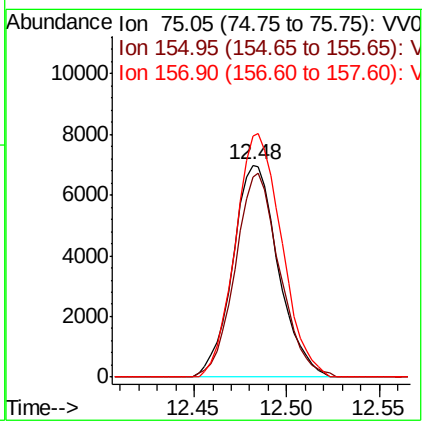


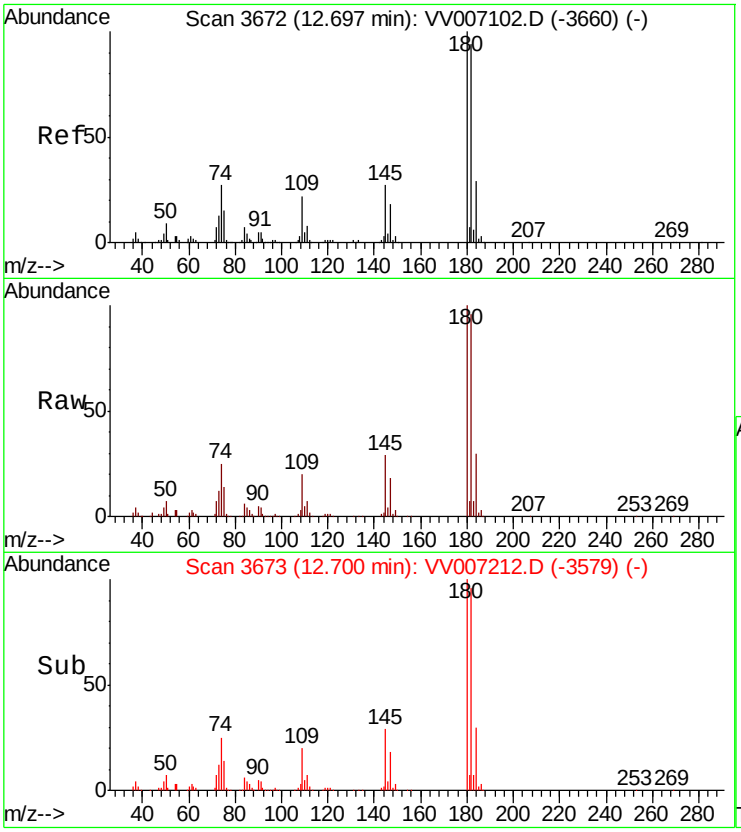




#66
1,2-Dibromo-3-chloropropane
Concen: 4.023 ug/L
RT: 12.48 min Scan# 3605
Delta R.T. -0.00 min
Lab File: VV007212.D
Acq: 27 Aug 2018 12:32

Tgt Ion: 75 Resp: 11896

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 94.0 | 62.7 | 94.1 |
| 157 | 113.6 | 79.7 | 119.5 |



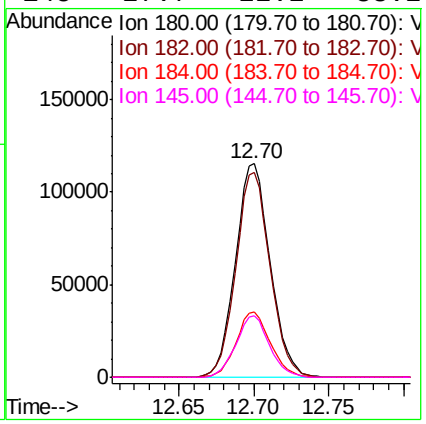


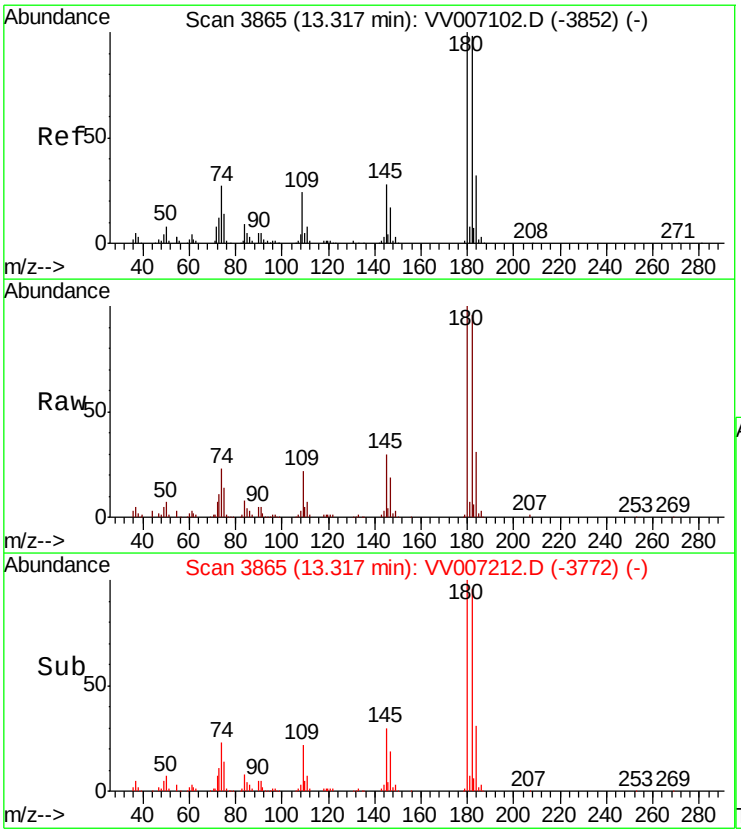

#67
1,3,5-Trichlorobenzene
Concen: 4.853 ug/L
RT: 12.70 min Scan# 3673
Delta R.T. 0.00 min
Lab File: VV007212.D
Acq: 27 Aug 2018 12:32

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

Tgt Ion:180 Resp: 185798

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.8 | 76.6 | 115.0 |
| 184 | 30.0 | 24.4 | 36.6 |
| 145 | 27.7 | 22.2 | 33.2 |

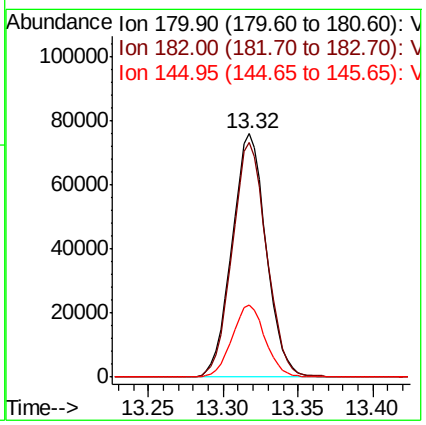


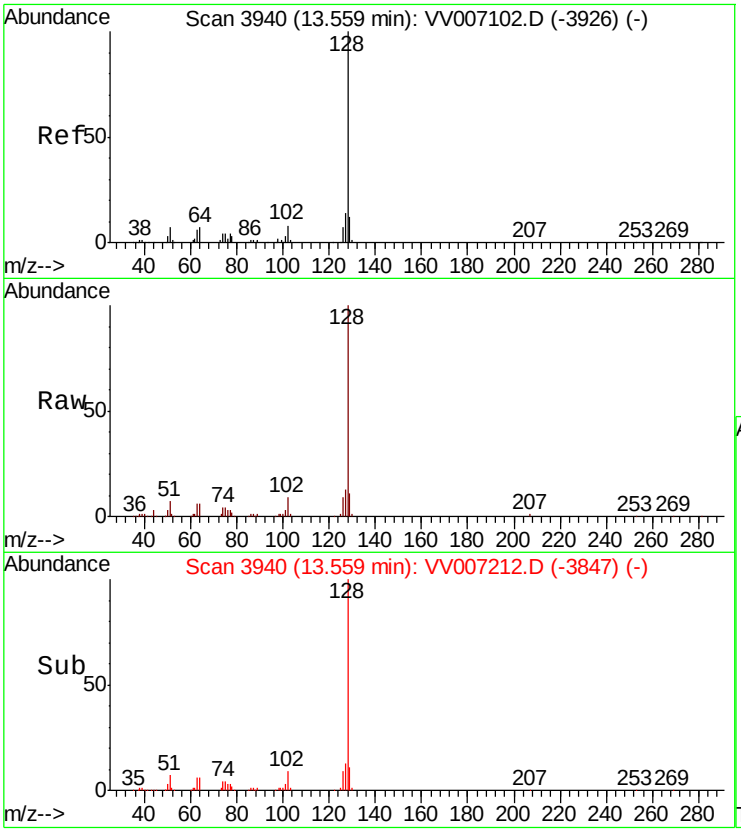




#68
1,2,4-trichlorobenzene
Concen: 4.705 ug/L
RT: 13.32 min Scan# 3865
Delta R.T. -0.00 min
Lab File: VV007212.D
Acq: 27 Aug 2018 12:32

Tgt Ion:180 Resp: 120497

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.9 | 78.4 | 117.6 |
| 145 | 28.7 | 22.9 | 34.3 |



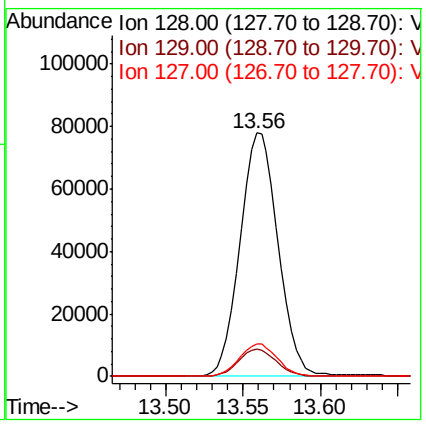


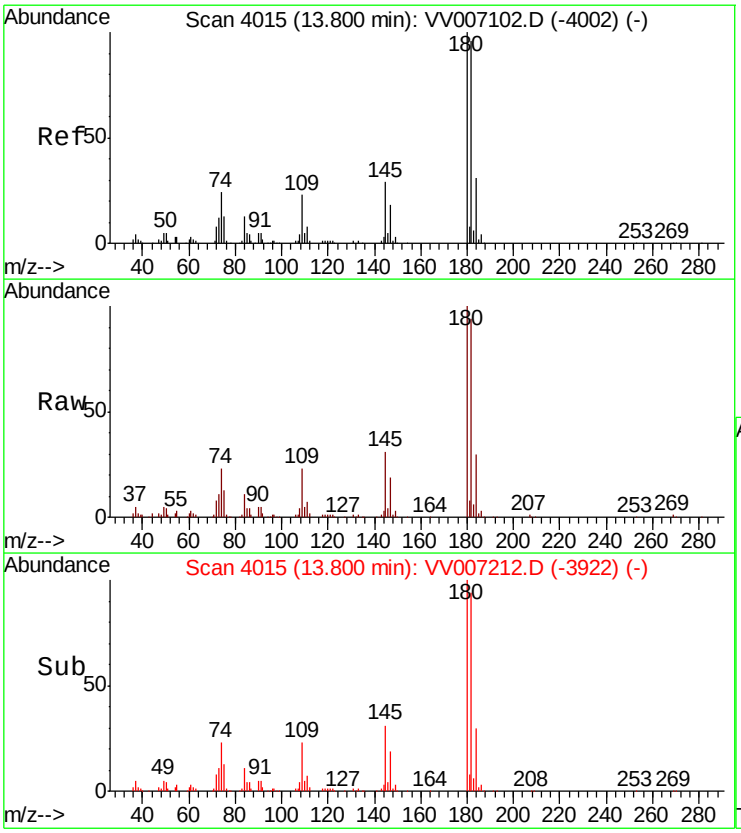

#69
Naphthalene
Concen: 3.924 ug/L
RT: 13.56 min Scan# 3940
Delta R.T. -0.00 min
Lab File: VV007212.D
Acq: 27 Aug 2018 12:32

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

Tgt Ion:128 Resp: 133250

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.0 | 8.5 | 12.7 |
| 127 | 13.3 | 10.8 | 16.2 |




#70
1,2,3-Trichlorobenzene
Concen: 4.749 ug/L
RT: 13.80 min Scan# 4015
Delta R.T. -0.00 min
Lab File: VV007212.D
Acq: 27 Aug 2018 12:32

Tgt Ion:180 Resp: 118845

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.9 | 76.2 | 114.2 |
| 145 | 29.8 | 23.8 | 35.8 |