Data Path : W:\HPCHEM1\MSVOA_V\DATA\VV053118\

Quantitation Report (Not Reviewed)

Data File : VV006115.D
Acq On : 31 May 2018 19:08
Operator : SY/MD
Sample : VSTD00162
Misc : 25 mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00162

Quant Time: Jun 01 07:53:04 2018
Quant Method : W:\HPCHEM1\MSVOA_V\METHOD\SOMVTR053118WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jun 01 07:29:00 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.67 | 114 | 286534 | 5.00 | ug/L | | 0.00 |
| 28) Chlorobenzene-d5 | 8.90 | 117 | 255442 | 5.00 | ug/L | | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152 | 116516 | 5.00 | ug/L | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 4) Vinyl Chloride-d3 | 1.32 | 65 | 16358 | 0.75 | ug/L | | 0.00 |
| 7) Chloroethane-d5 | 1.58 | 69 | 13262 | 0.83 | ug/L | | 0.00 |
| 11) 1,1-Dichloroethene-d2 | 2.13 | 63 | 32076 | 0.73 | ug/L | | 0.00 |
| 20) 2-Butanone-d5 | 3.97 | 46 | 34046 | 7.54 | ug/L | | 0.02 |
| 24) Chloroform-d | 4.41 | 84 | 31642 | 0.83 | ug/L | | 0.00 |
| 26) 1,2-Dichloroethane-d4 | 5.09 | 65 | 15556 | 0.87 | ug/L | | 0.00 |
| 32) Benzene-d6 | 5.10 | 84 | 64817 | 0.91 | ug/L | | 0.00 |
| 36) 1,2-Dichloropropane-d6 | 6.12 | 67 | 19603 | 0.89 | ug/L | | 0.00 |
| 41) Toluene-d8 | 7.36 | 98 | 60258 | 0.91 | ug/L | | 0.00 |
| 43) trans-1,3-Dichloropropene- | 7.67 | 79 | 8862 | 1.09 | ug/L | | 0.00 |
| 46) 2-Hexanone-d5 | 8.14 | 63 | 36028 | 9.82 | ug/L | | 0.00 |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27 | 84 | 14392 | 0.95 | ug/L | | 0.00 |
| 64) 1,2-Dichlorobenzene-d4 | 11.68 | 152 | 21858 | 0.97 | ug/L | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.14 | 85 | 18209 | 0.56 | ug/L | | 97 |
| 3) Chloromethane | 1.26 | 50 | 17952 | 0.54 | ug/L | | 95 |
| 5) Vinyl chloride | 1.32 | 62 | 22908 | 0.62 | ug/L | | 100 |
| 6) Bromomethane | 1.54 | 94 | 12009 | 0.63 | ug/L | | 94 |
| 8) Chloroethane | 1.60 | 64 | 12442 | 0.61 | ug/L | | 96 |
| 9) Trichlorofluoromethane | 1.77 | 101 | 29874 | 0.64 | ug/L | | 99 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.14 | 101 | 18580 | 0.67 | ug/L | | 100 |
| 12) 1,1-Dichloroethene | 2.14 | 96 | 16496 | 0.62 | ug/L | | 96 |
| 13) Acetone | 2.22 | 43 | 16275 | 3.86 | ug/L | | 91 |
| 14) Carbon disulfide | 2.32 | 76 | 56856 | 0.67 | ug/L | | 99 |
| 15) Methyl Acetate | 2.47 | 43 | 5231 | 0.47 | ug/L | | 97 |
| 16) Methylene chloride | 2.54 | 84 | 18294 | 0.61 | ug/L | | 98 |
| 17) Methyl tert-butyl Ether | 2.82 | 73 | 41446 | 0.64 | ug/L | | 98 |
| 18) trans-1,2-Dichloroethene | 2.79 | 96 | 18678 | 0.64 | ug/L | | 97 |
| 19) 1,1-Dichloroethane | 3.23 | 63 | 31108 | 0.58 | ug/L | | 95 |
| 21) 2-Butanone | 4.06 | 43 | 33136 | 4.96 | ug/L | | 93 |
| 22) cis-1,2-Dichloroethene | 3.97 | 96 | 19810 | 0.66 | ug/L | # | 96 |
| 23) Bromochloromethane | 4.31 | 128 | 8244 | 0.66 | ug/L | | 96 |
| 25) Chloroform | 4.44 | 83 | 33050 | 0.64 | ug/L | | 97 |
| 27) 1,2-Dichloroethane | 5.19 | 62 | 18177 | 0.59 | ug/L | | 95 |
| 29) 1,1,1-Trichloroethane | 4.67 | 97 | 28857 | 0.69 | ug/L | | 98 |
| 30) Cyclohexane | 4.73 | 56 | 30566 | 0.72 | ug/L | | 97 |
| 31) Carbon tetrachloride | 4.88 | 117 | 25678 | 0.69 | ug/L | | 99 |
| 33) Benzene | 5.15 | 78 | 72825 | 0.66 | ug/L | | 100 |
| 34) Trichloroethene | 5.96 | 95 | 19823 | 0.67 | ug/L | | 99 |
| 35) Methylcyclohexane | 6.18 | 83 | 33993 | 0.78 | ug/L | | 99 |
| 37) 1,2-Dichloropropane | 6.23 | 63 | 17691 | 0.62 | ug/L | | 100 |
| 38) Bromodichloromethane | 6.56 | 83 | 23194 | 0.71 | ug/L | | 99 |
| 39) cis-1,3-Dichloropropene | 7.08 | 75 | 28148 | 0.75 | ug/L | | 98 |
| 40) 4-Methyl-2-pentanone | 7.29 | 43 | 89119 | 5.85 | ug/L | | 99 |

Data Path : W:\HPCHEM1\MSVOA_V\DATA\VV053118\

Quantitation Report (Not Reviewed)

Data File : VV006115.D
Acq On : 31 May 2018 19:08
Operator : SY/MD
Sample : VSTD00162
Misc : 25 mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00162

Quant Time: Jun 01 07:53:04 2018
Quant Method : W:\HPCHEM1\MSVOA_V\METHOD\SOMVTR053118WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jun 01 07:29:00 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 42) Toluene | 7.44 | 91 | 80702 | 0.71 | ug/L | 100 |
| 44) trans-1,3-Dichloropropene | 7.70 | 75 | 22666 | 0.74 | ug/L | 98 |
| 45) 1,1,2-Trichloroethane | 7.89 | 97 | 12535 | 0.68 | ug/L | 96 |
| 47) Tetrachloroethene | 8.03 | 164 | 15630 | 0.66 | ug/L | 97 |
| 48) 2-Hexanone | 8.20 | 43 | 63849 | 5.90 | ug/L | 99 |
| 49) Dibromochloromethane | 8.30 | 129 | 15200 | 0.71 | ug/L | 96 |
| 50) 1,2-Dibromoethane | 8.40 | 107 | 11393 | 0.67 | ug/L | 93 |
| 51) Chlorobenzene | 8.93 | 112 | 50058 | 0.68 | ug/L | 99 |
| 52) Ethylbenzene | 9.06 | 91 | 87884 | 0.73 | ug/L | 99 |
| 53) m,p-xylene | 9.19 | 106 | 34470 | 0.76 | ug/L | 100 |
| 54) o-xylene | 9.59 | 106 | 33702 | 0.76 | ug/L | 98 |
| 55) Styrene | 9.61 | 104 | 54000 | 0.73 | ug/L | 97 |
| 56) Isopropylbenzene | 9.98 | 105 | 86988 | 0.75 | ug/L | 98 |
| 58) 1,1,2,2-Tetrachloroethane | 10.29 | 83 | 14286 | 0.67 | ug/L | 96 |
| 59) 1,2,3-Trichloropropane | 10.33 | 75 | 9668 | 0.62 | ug/L | 98 |
| 61) Bromoform | 9.78 | 173 | 8154 | 0.72 | ug/L | 99 |
| 62) 1,3-Dichlorobenzene | 11.23 | 146 | 37993 | 0.73 | ug/L | 98 |
| 63) 1,4-Dichlorobenzene | 11.32 | 146 | 37111 | 0.70 | ug/L | 98 |
| 65) 1,2-Dichlorobenzene | 11.70 | 146 | 35041 | 0.69 | ug/L | 98 |
| 66) 1,2-Dibromo-3-chloropropan | 12.48 | 75 | 2397 | 0.82 | ug/L | 94 |
| 67) 1,3,5-Trichlorobenzene | 12.70 | 180 | 28572 | 0.69 | ug/L | 100 |
| 68) 1,2,4-trichlorobenzene | 13.32 | 180 | 20567 | 0.64 | ug/L | 99 |
| 69) Naphthalene | 13.56 | 128 | 33846 | 0.71 | ug/L | 99 |
| 70) 1,2,3-Trichlorobenzene | 13.80 | 180 | 19409 | 0.65 | ug/L | 99 |

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

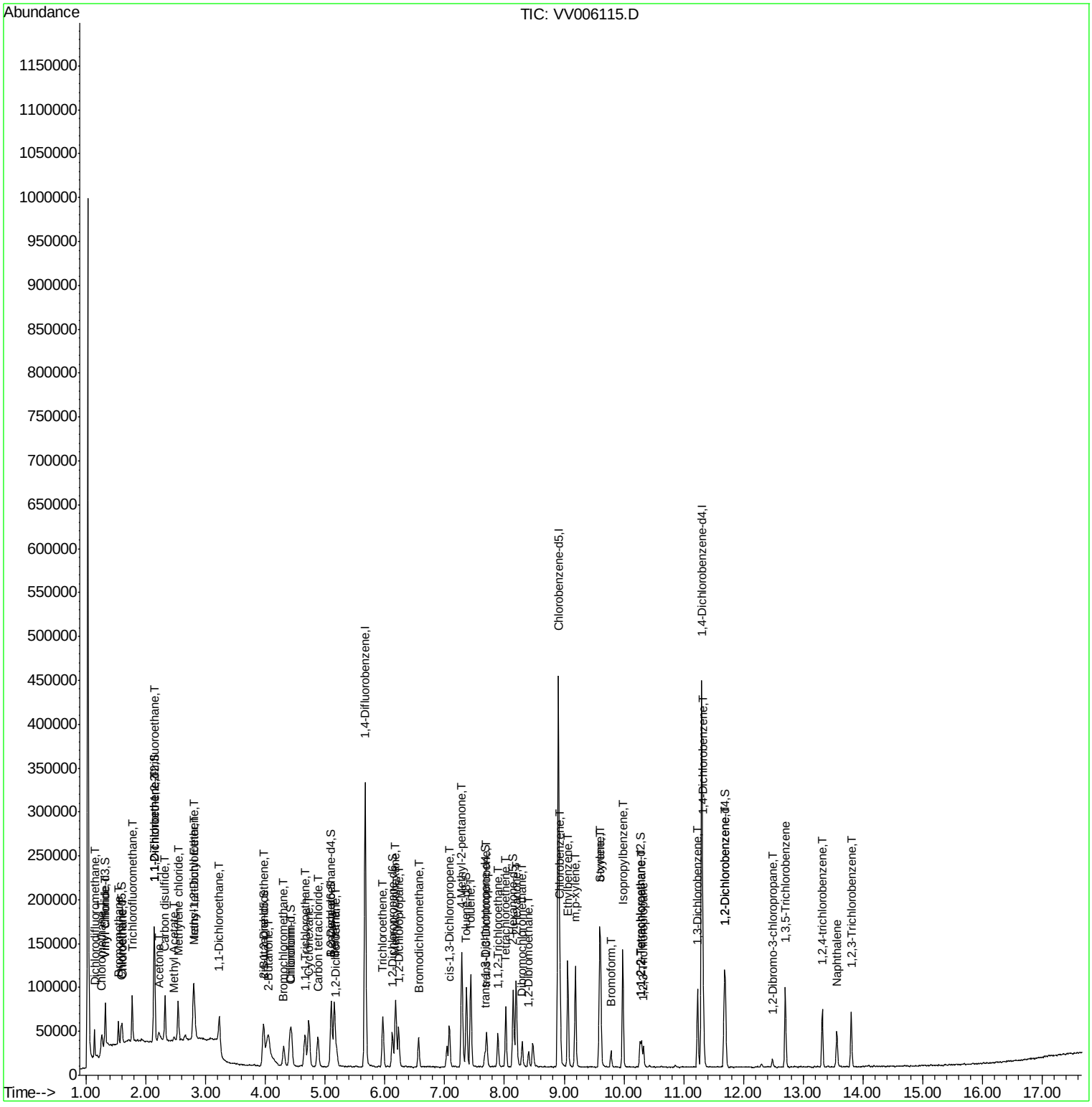
Data Path : W:\HPCHEM1\MSVOA_V\DATA\VV053118\

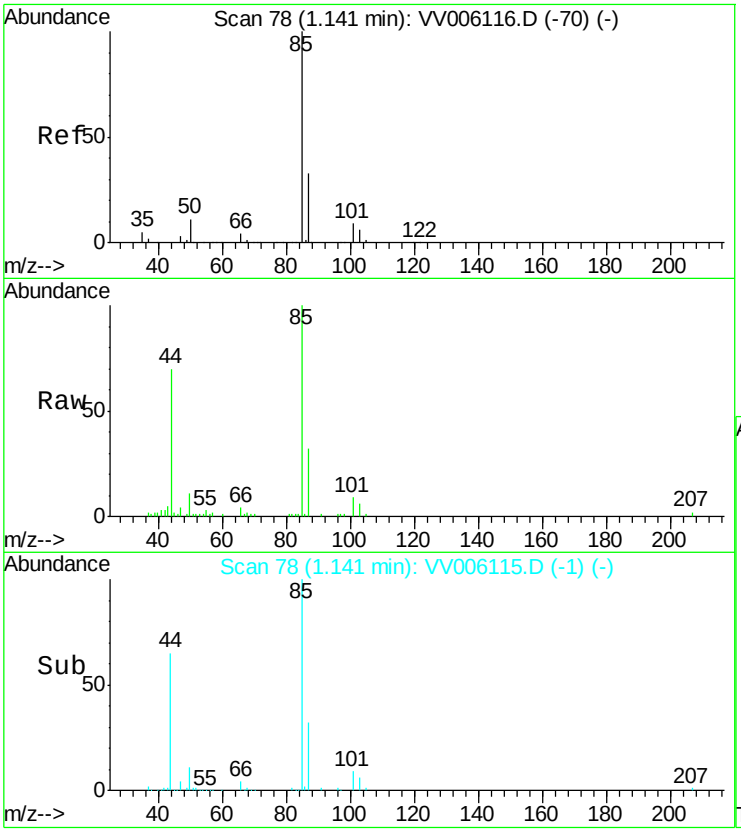
Quantitation Report (Not Reviewed)

Data File : VV006115.D
Acq On : 31 May 2018 19:08
Operator : SY/MD
Sample : VSTD00162
Misc : 25 mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00162

Quant Time: Jun 01 07:53:04 2018
Quant Method : W:\HPCHEM1\MSVOA_V\METHOD\SOMVTR053118WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jun 01 07:29:00 2018
Response via : Initial Calibration



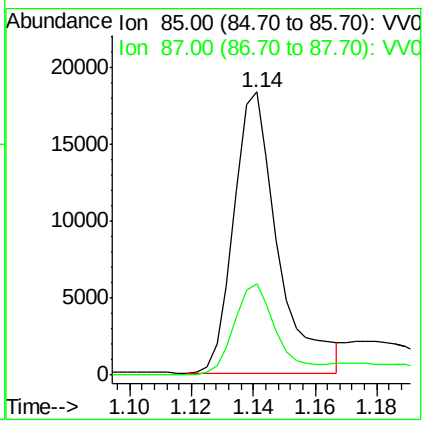


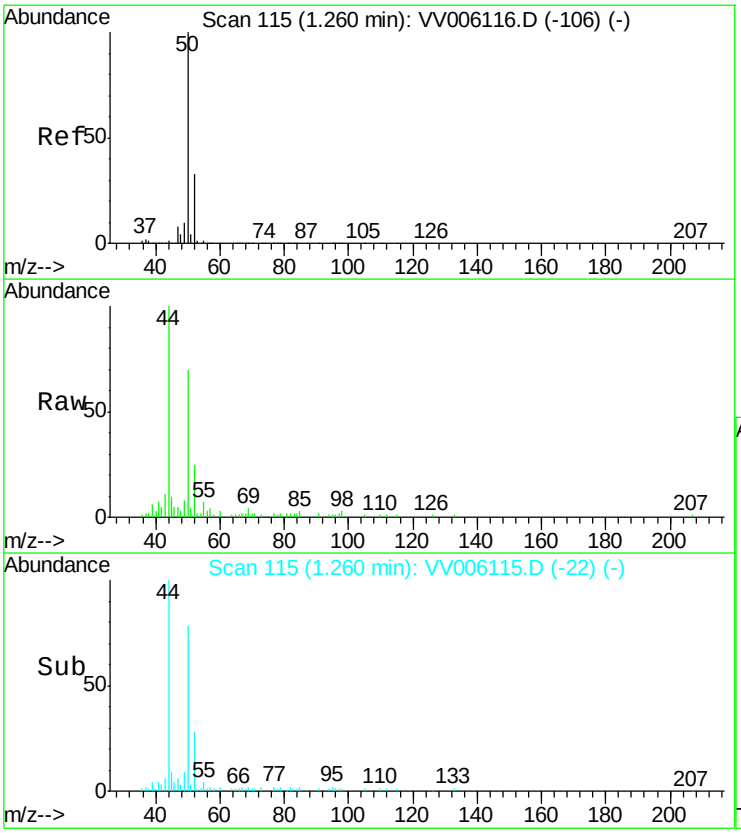

#2
Dichlorodifluoromethane
Concen: 0.56 ug/L
RT: 1.14 min Scan# 78
Delta R.T. -0.00 min
Lab File: VV006115.D
Acq: 31 May 2018 19:08

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00162

Tgt Ion: 85 Resp: 18209

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 31.0 | 26.2 | 39.4 |

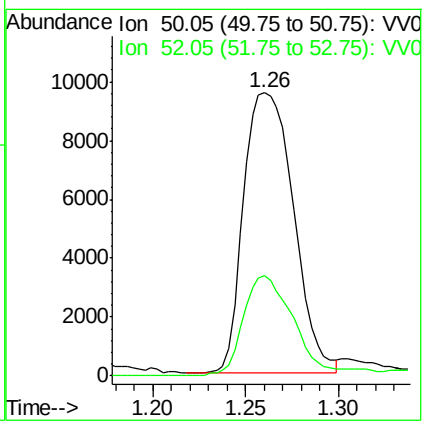


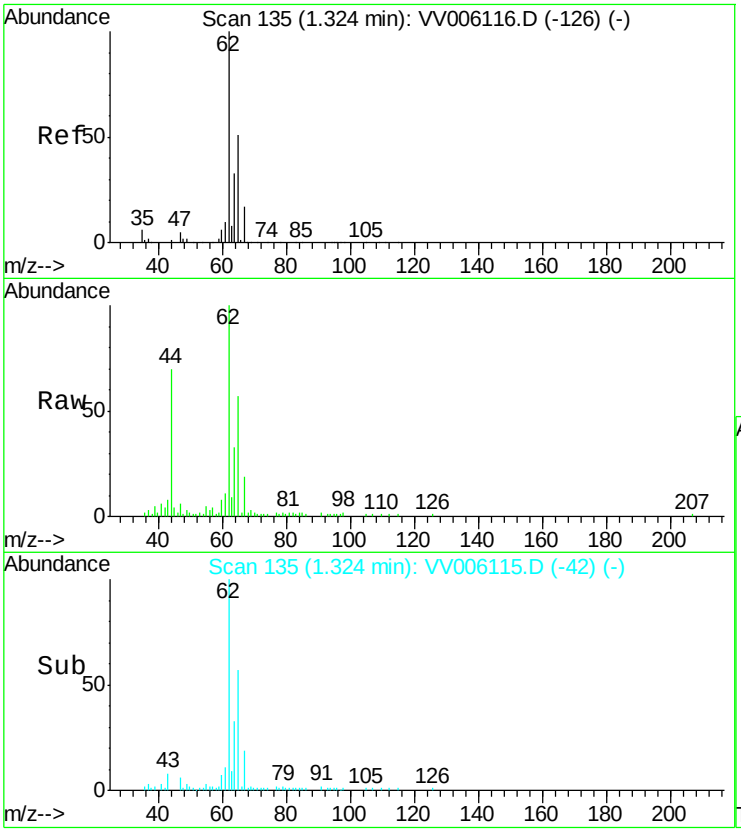




#3
Chloromethane
Concen: 0.54 ug/L
RT: 1.26 min Scan# 115
Delta R.T. -0.00 min
Lab File: VV006115.D
Acq: 31 May 2018 19:08

Tgt Ion: 50 Resp: 17952

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 35.5 | 23.0 | 42.8 |



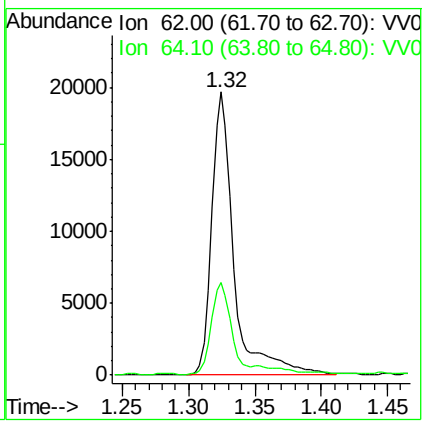


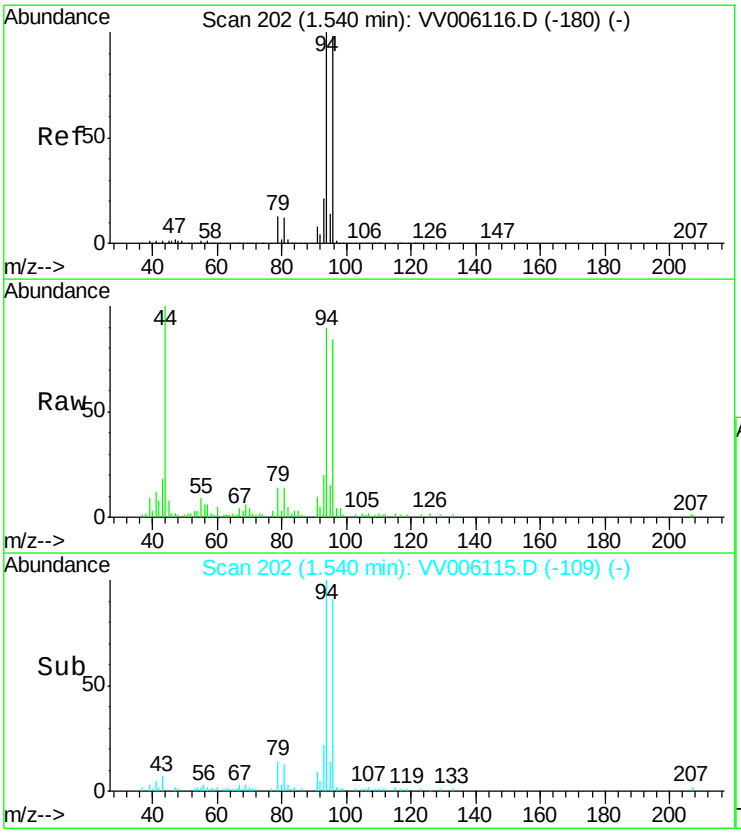

#5
Vinyl chloride
Concen: 0.62 ug/L
RT: 1.32 min Scan# 135
Delta R.T. -0.00 min
Lab File: VV006115.D
Acq: 31 May 2018 19:08

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00162

Tgt Ion: 62 Resp: 22908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.8 | 23.1 | 42.9 |

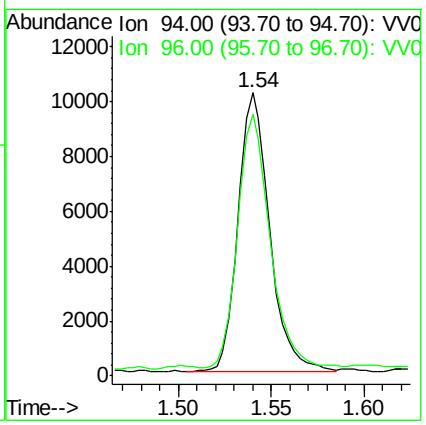


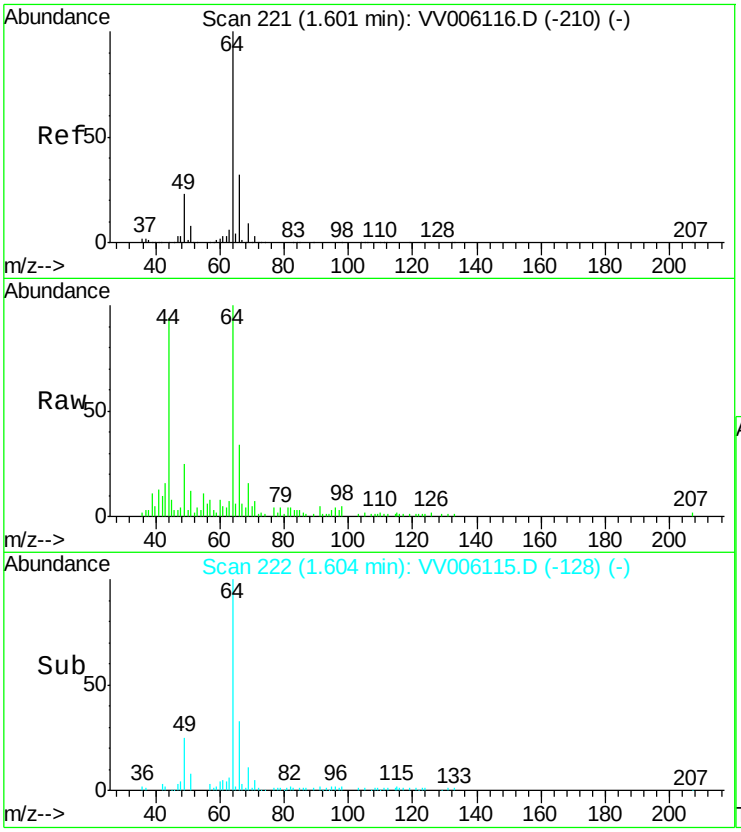




#6
Bromomethane
Concen: 0.63 ug/L
RT: 1.54 min Scan# 202
Delta R.T. -0.00 min
Lab File: VV006115.D
Acq: 31 May 2018 19:08

Tgt Ion: 94 Resp: 12009

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 92.4 | 68.9 | 127.9 |



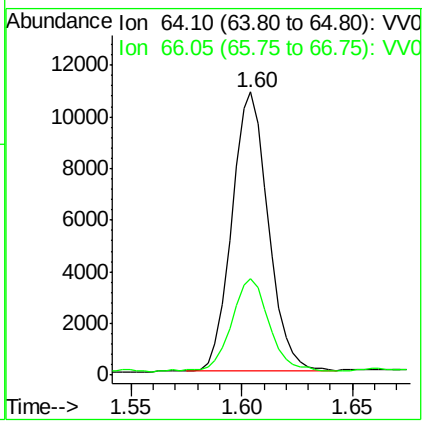


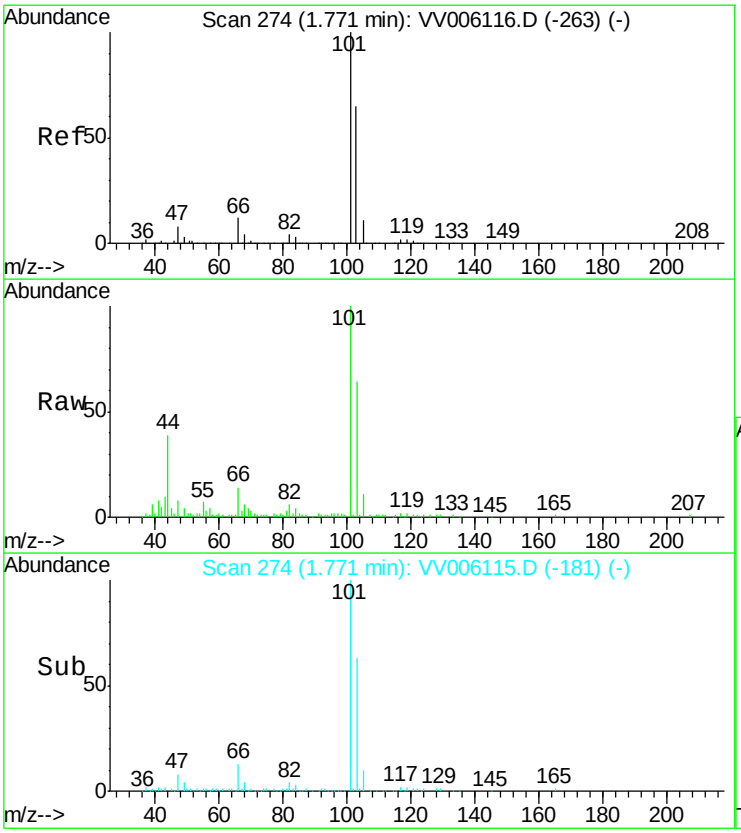

#8
Chloroethane
Concen: 0.61 ug/L
RT: 1.60 min Scan# 222
Delta R.T. 0.00 min
Lab File: VV006115.D
Acq: 31 May 2018 19:08

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00162

Tgt Ion: 64 Resp: 12442

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 34.3 | 22.5 | 41.7 |

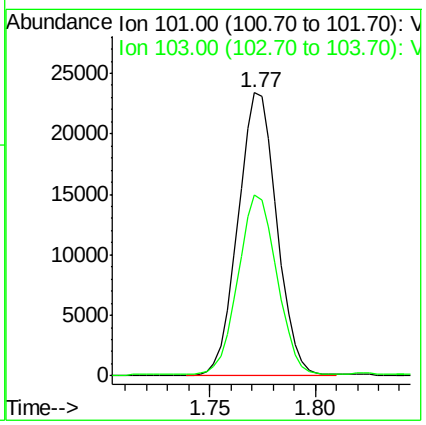


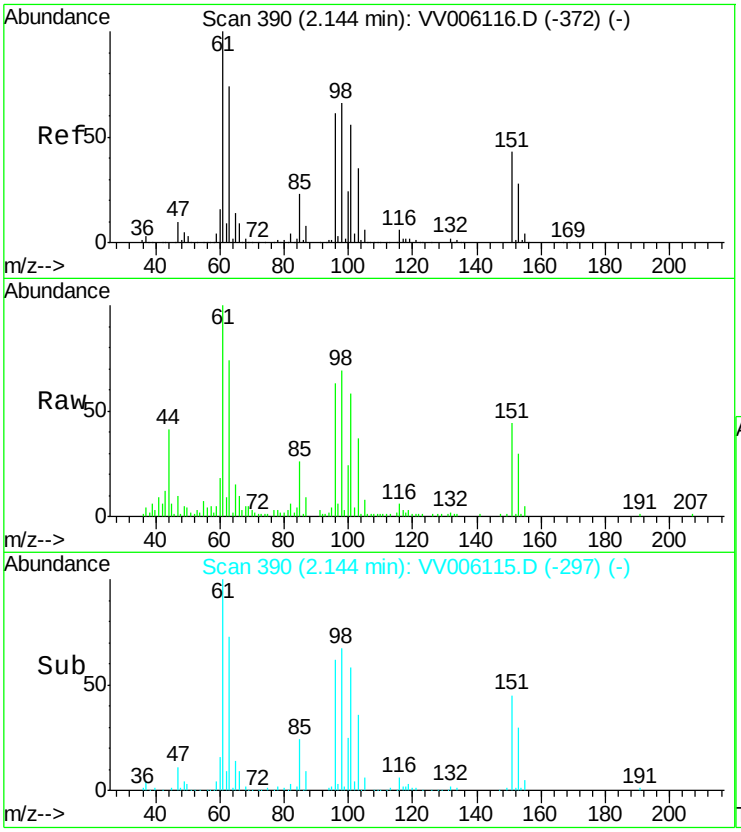




#9
Trichlorofluoromethane
Concen: 0.64 ug/L
RT: 1.77 min Scan# 274
Delta R.T. -0.00 min
Lab File: VV006115.D
Acq: 31 May 2018 19:08

Tgt Ion:101 Resp: 29874

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.6 | 52.0 | 78.0 |



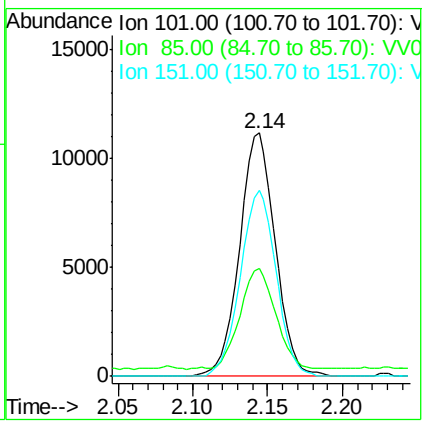


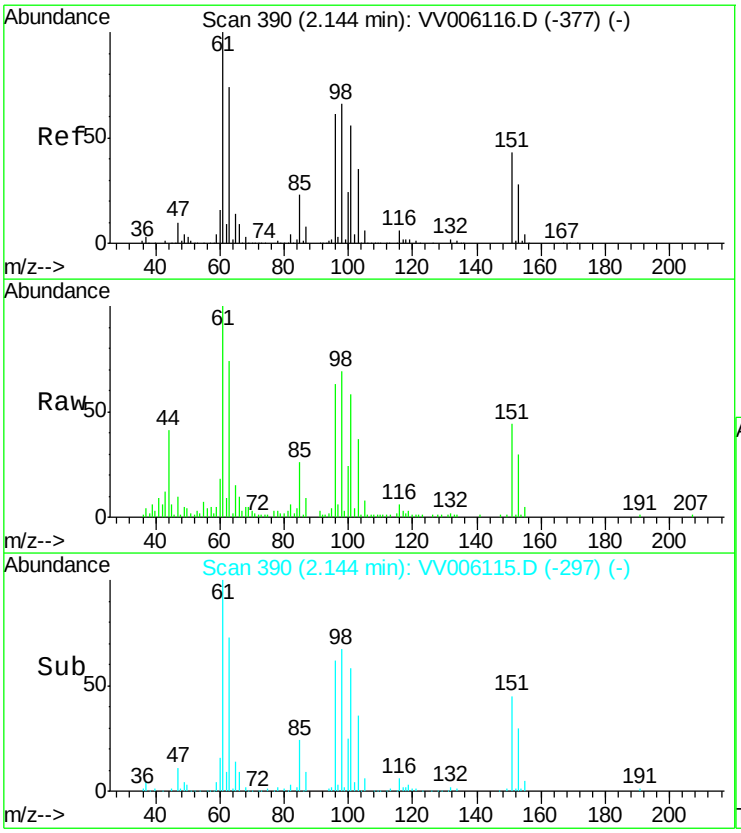

#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.67 ug/L
RT: 2.14 min Scan# 390
Delta R.T. -0.00 min
Lab File: VV006115.D
Acq: 31 May 2018 19:08

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00162

Tgt Ion:101 Resp: 18580

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 40.4 | 32.6 | 49.0 |
| 151 | 76.4 | 60.9 | 91.3 |

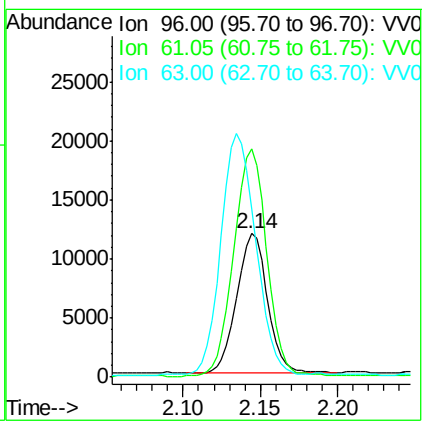


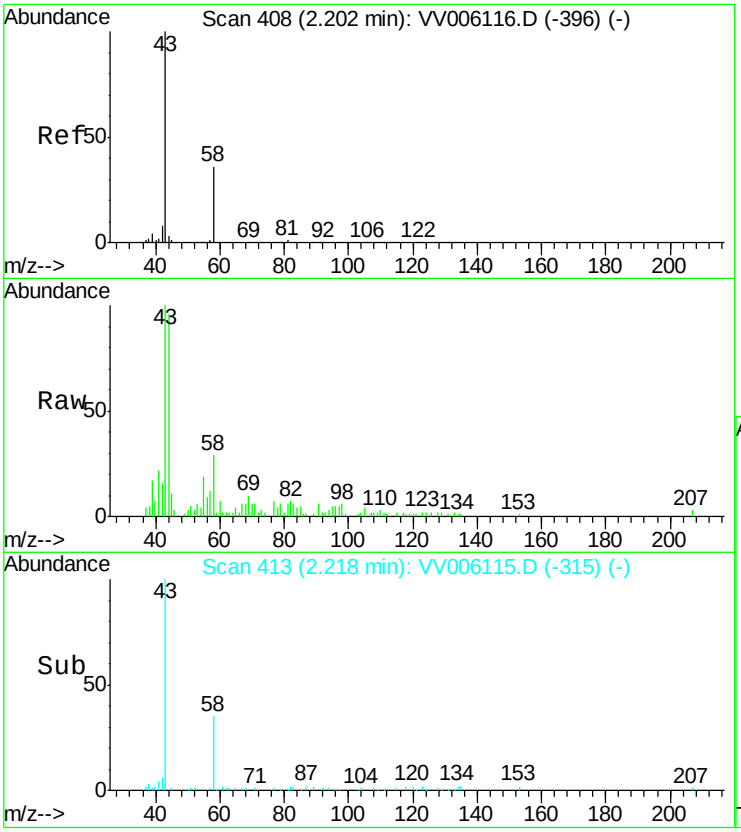




#12
1,1-Dichloroethene
Concen: 0.62 ug/L
RT: 2.14 min Scan# 390
Delta R.T. -0.00 min
Lab File: VV006115.D
Acq: 31 May 2018 19:08

Tgt Ion: 96 Resp: 16496

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 158.5 | 114.2 | 212.2 |
| 63 | 117.1 | 85.0 | 157.8 |



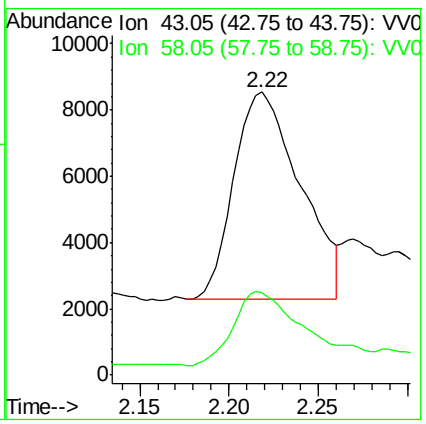


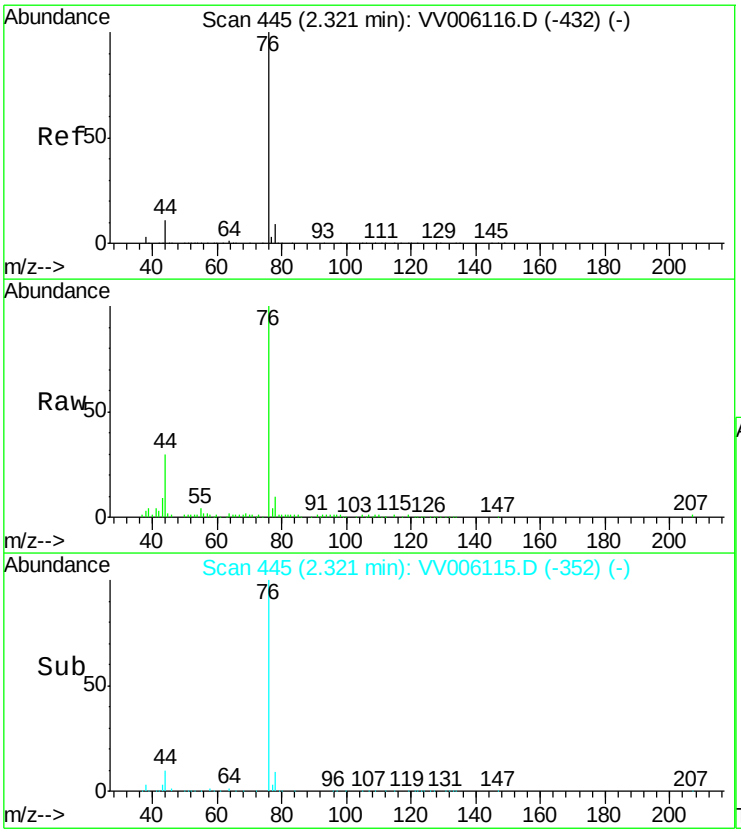

#13
Acetone
Concen: 3.86 ug/L
RT: 2.22 min Scan# 413
Delta R.T. 0.02 min
Lab File: VV006115.D
Acq: 31 May 2018 19:08

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00162

Tgt Ion: 43 Resp: 16275

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 38.7 | 0.0 | 67.4 |

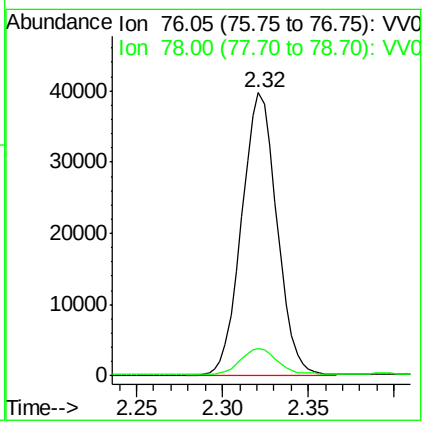


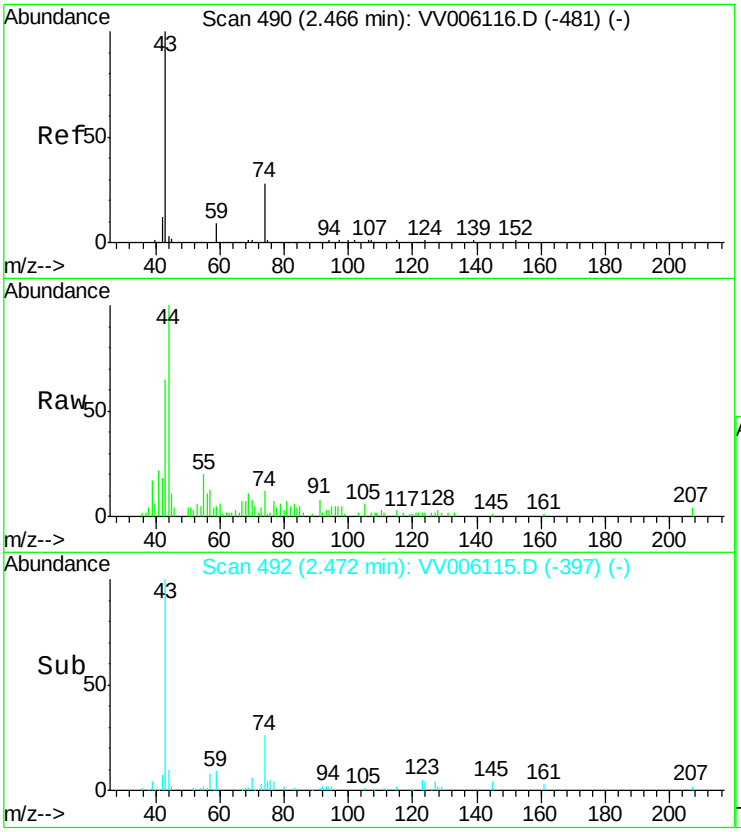




#14
Carbon disulfide
Concen: 0.67 ug/L
RT: 2.32 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV006115.D
Acq: 31 May 2018 19:08

Tgt Ion: 76 Resp: 56856

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.6 | 7.5 | 11.3 |



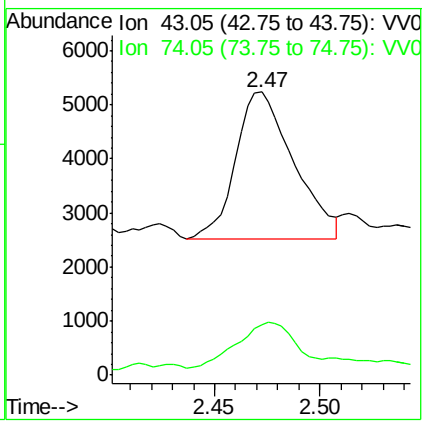


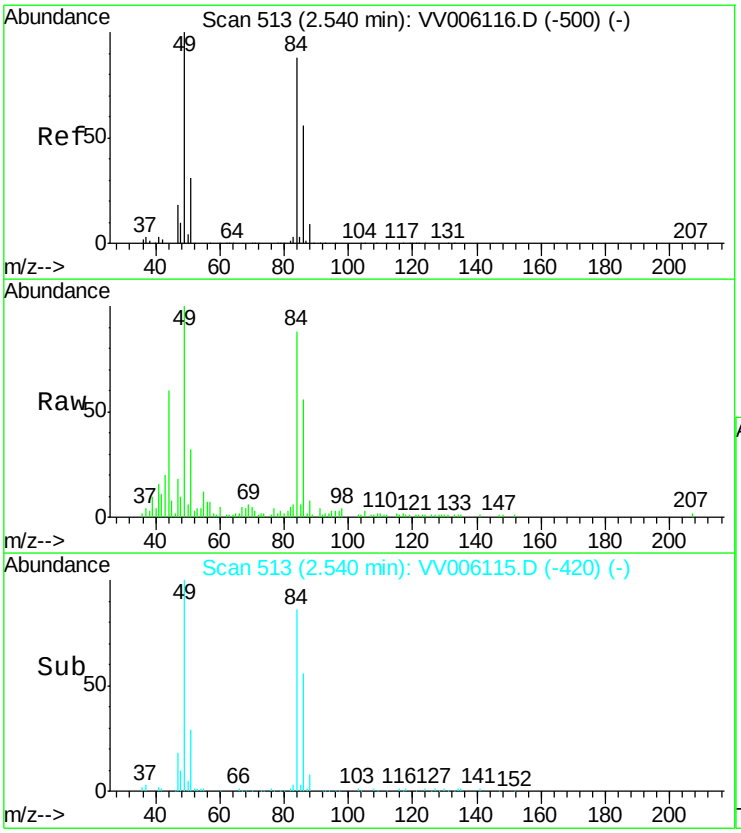

#15
Methyl Acetate
Concen: 0.47 ug/L
RT: 2.47 min Scan# 492
Delta R.T. 0.01 min
Lab File: VV006115.D
Acq: 31 May 2018 19:08

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00162

Tgt Ion: 43 Resp: 5231

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 30.6 | 23.4 | 35.0 |

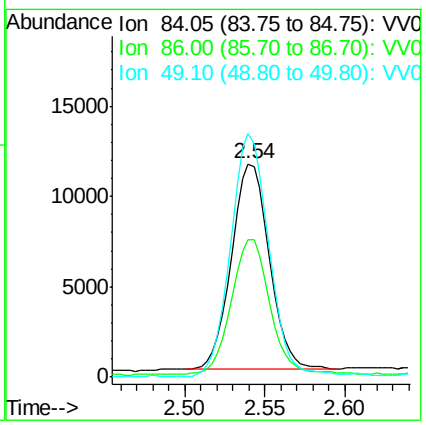


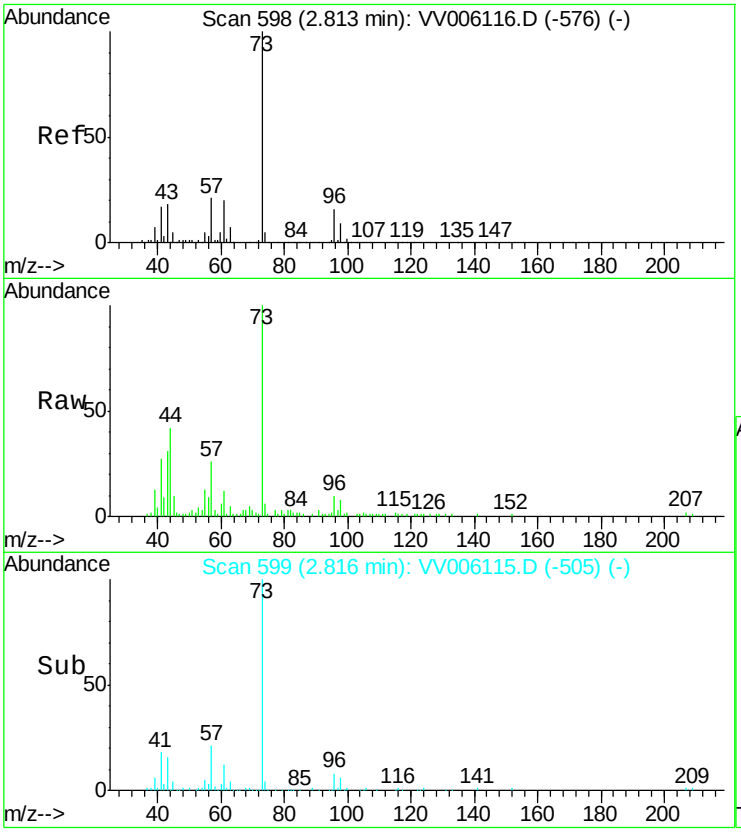




#16
Methylene chloride
Concen: 0.61 ug/L
RT: 2.54 min Scan# 513
Delta R.T. -0.00 min
Lab File: VV006115.D
Acq: 31 May 2018 19:08

Tgt Ion: 84 Resp: 18294

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 64.4 | 44.2 | 82.0 |
| 49 | 114.1 | 78.8 | 146.4 |



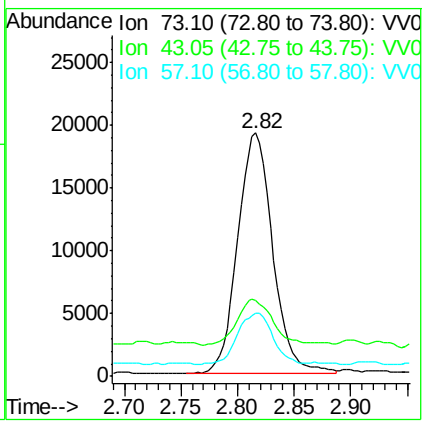


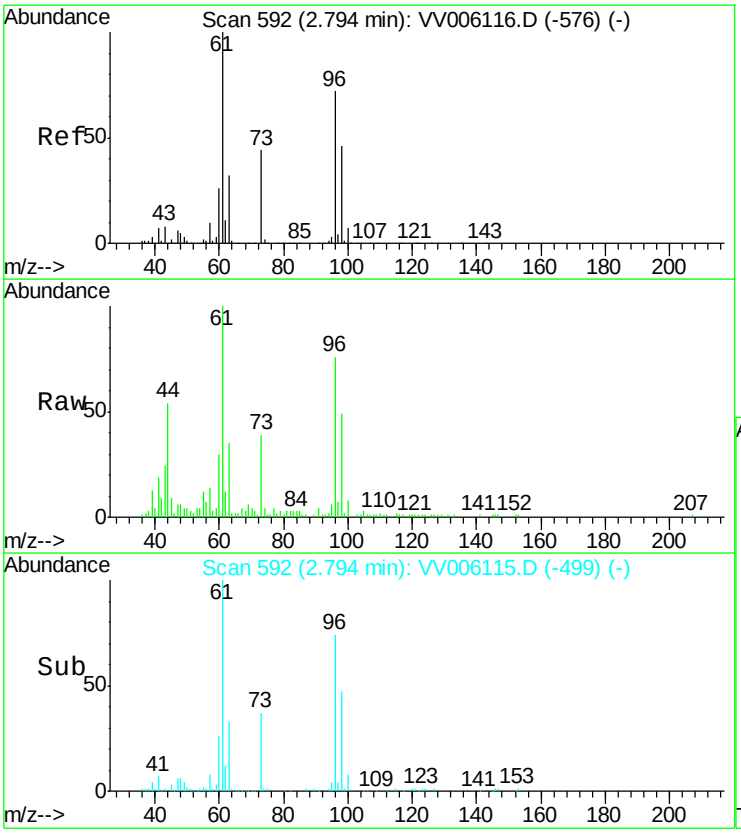

#17
Methyl tert-butyl Ether
Concen: 0.64 ug/L
RT: 2.82 min Scan# 599
Delta R.T. 0.00 min
Lab File: VV006115.D
Acq: 31 May 2018 19:08

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00162

Tgt Ion: 73 Resp: 41446

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 43 | 19.4 | 14.2 | 21.4 |
| 57 | 21.5 | 16.8 | 25.2 |

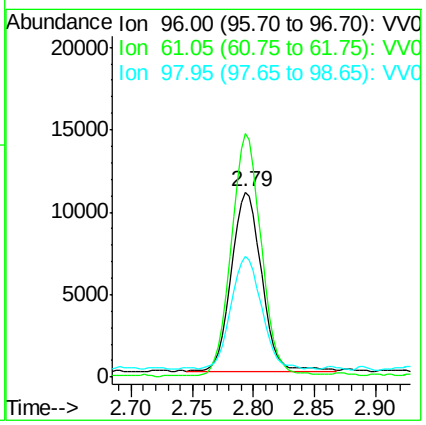


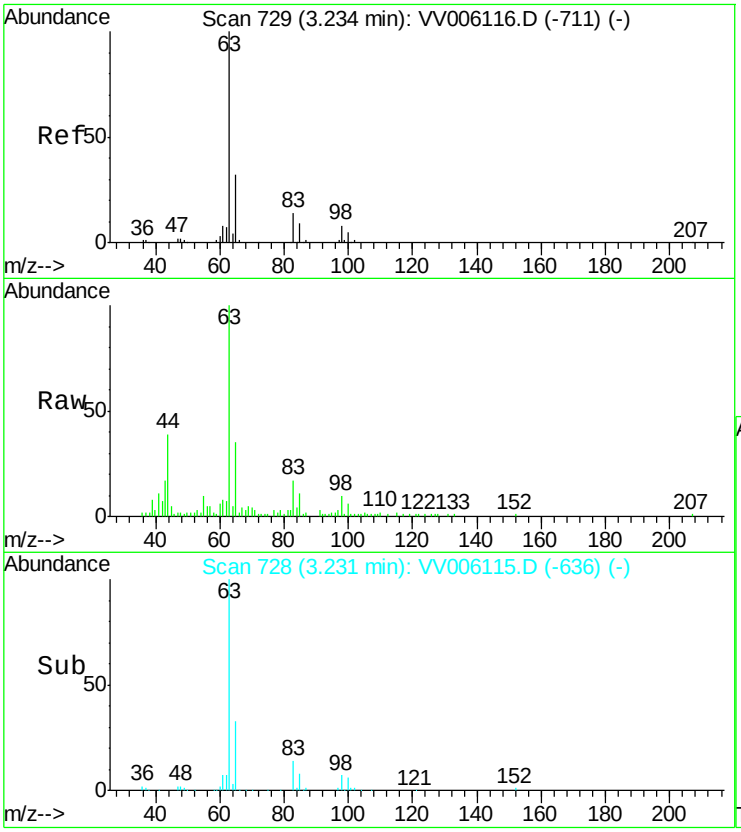




#18
trans-1,2-Dichloroethene
Concen: 0.64 ug/L
RT: 2.79 min Scan# 592
Delta R.T. -0.00 min
Lab File: VV006115.D
Acq: 31 May 2018 19:08

Tgt Ion: 96 Resp: 18678

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 131.6 | 96.3 | 178.9 |
| 98 | 65.0 | 45.4 | 84.2 |



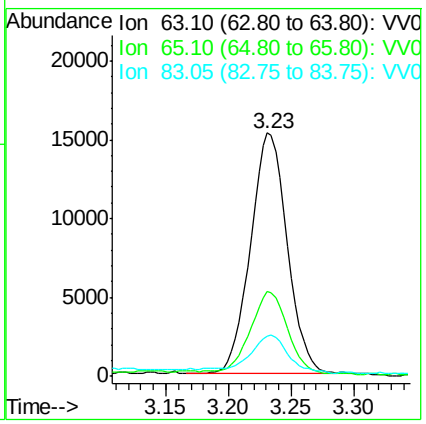


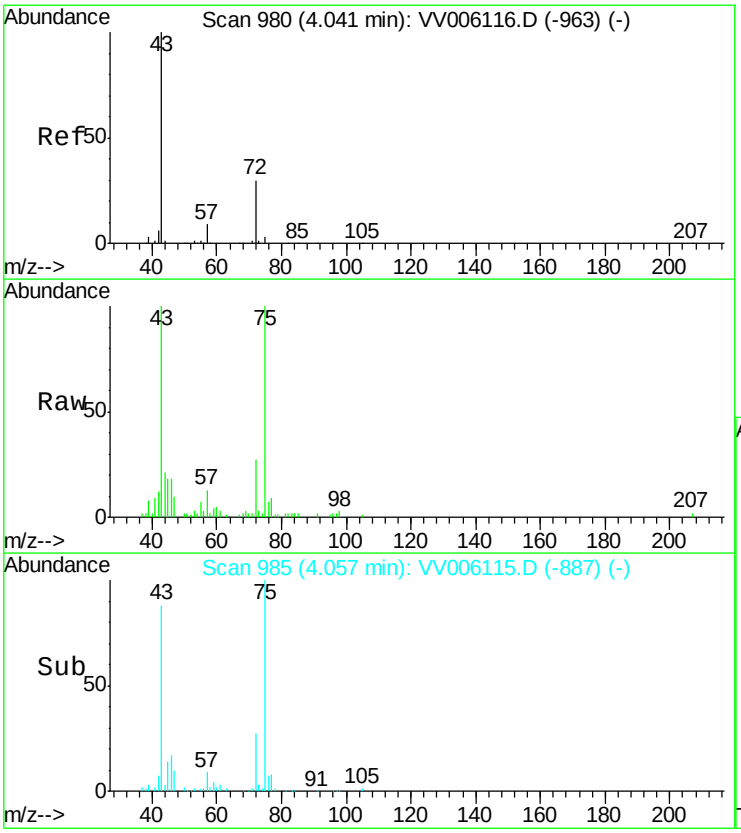

#19
1,1-Dichloroethane
Concen: 0.58 ug/L
RT: 3.23 min Scan# 728
Delta R.T. -0.00 min
Lab File: VV006115.D
Acq: 31 May 2018 19:08

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00162

Tgt Ion: 63 Resp: 31108

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 34.7 | 22.3 | 41.3 |
| 83 | 16.6 | 10.0 | 18.6 |

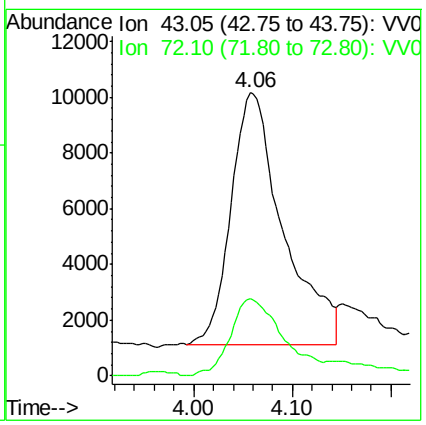


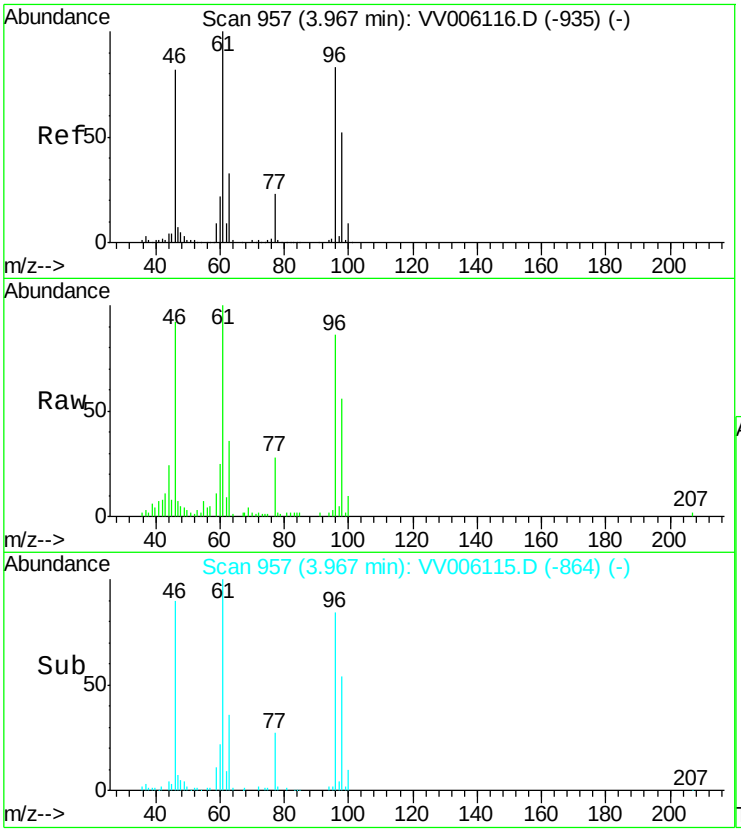




#21
2-Butanone
Concen: 4.96 ug/L
RT: 4.06 min Scan# 985
Delta R.T. 0.02 min
Lab File: VV006115.D
Acq: 31 May 2018 19:08

Tgt Ion: 43 Resp: 33136

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 31.2 | 13.8 | 41.3 |



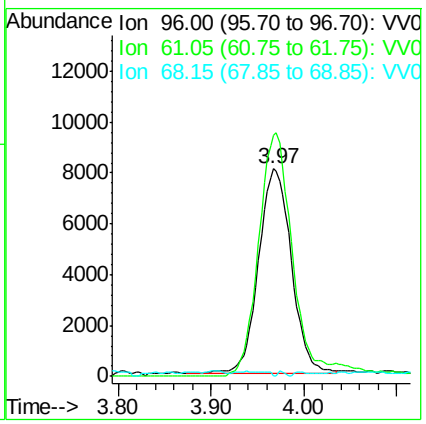


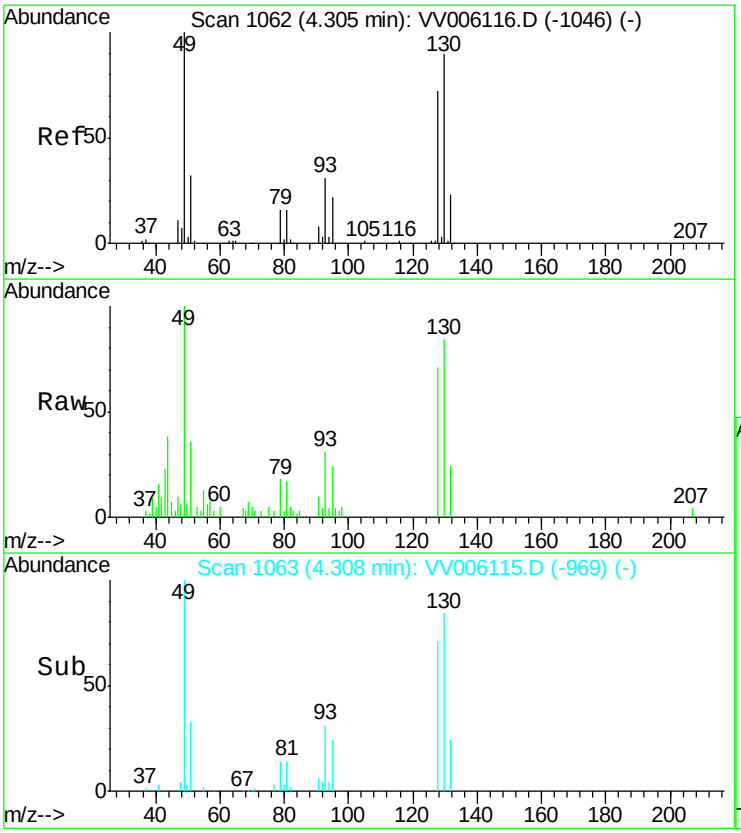

#22
cis-1,2-Dichloroethene
Concen: 0.66 ug/L
RT: 3.97 min Scan# 957
Delta R.T. -0.00 min
Lab File: VV006115.D
Acq: 31 May 2018 19:08

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00162

Tgt Ion: 96 Resp: 19810

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 116.0 | 84.1 | 156.3 |
| 68 | 0.0 | 0.3 | 0.5# |

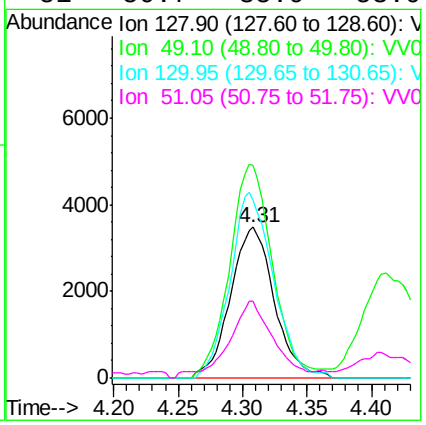


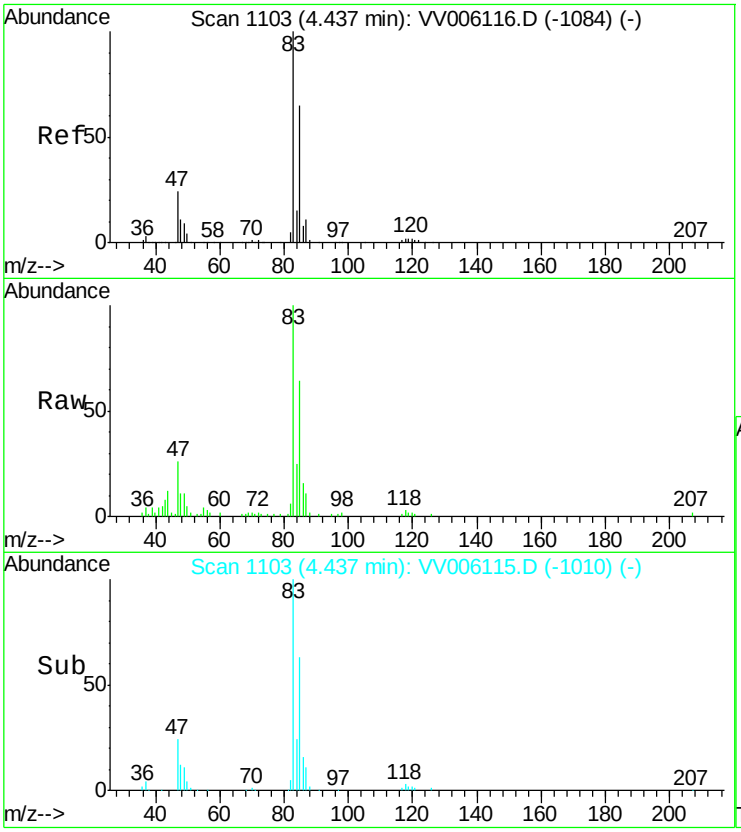




#23
Bromochloromethane
Concen: 0.66 ug/L
RT: 4.31 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VV006115.D
Acq: 31 May 2018 19:08

Tgt Ion:128 Resp: 8244

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 49 | 140.7 | 97.1 | 180.3 |
| 130 | 117.6 | 86.6 | 160.8 |
| 51 | 50.7 | 35.9 | 53.9 |



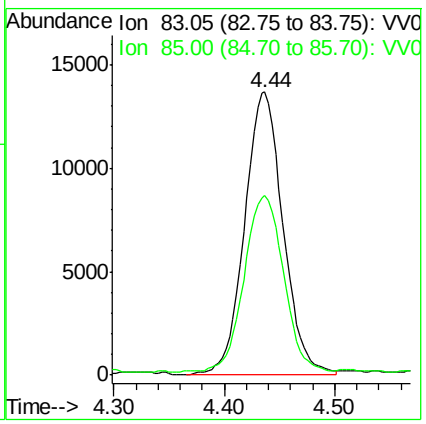


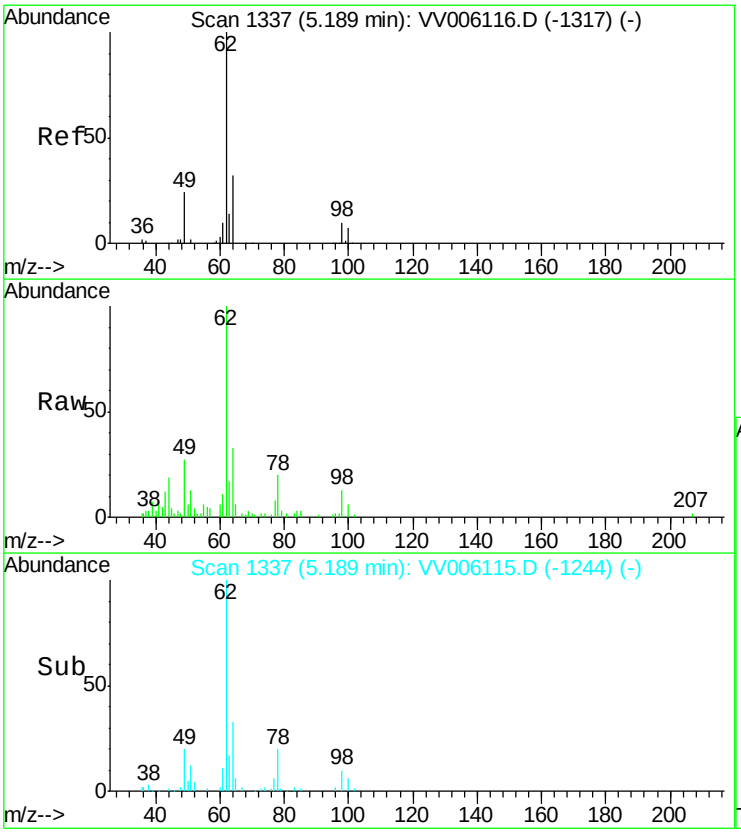

#25
Chloroform
Concen: 0.64 ug/L
RT: 4.44 min Scan# 1103
Delta R.T. -0.00 min
Lab File: VV006115.D
Acq: 31 May 2018 19:08

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00162

Tgt Ion: 83 Resp: 33050

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.6 | 46.2 | 85.8 |

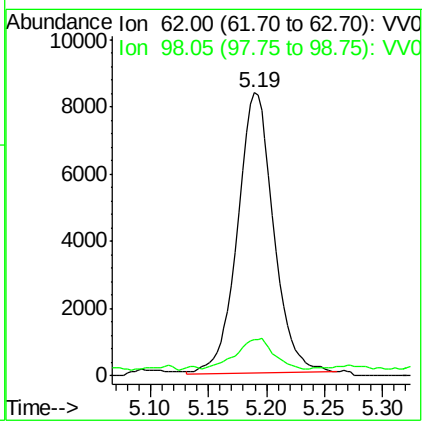


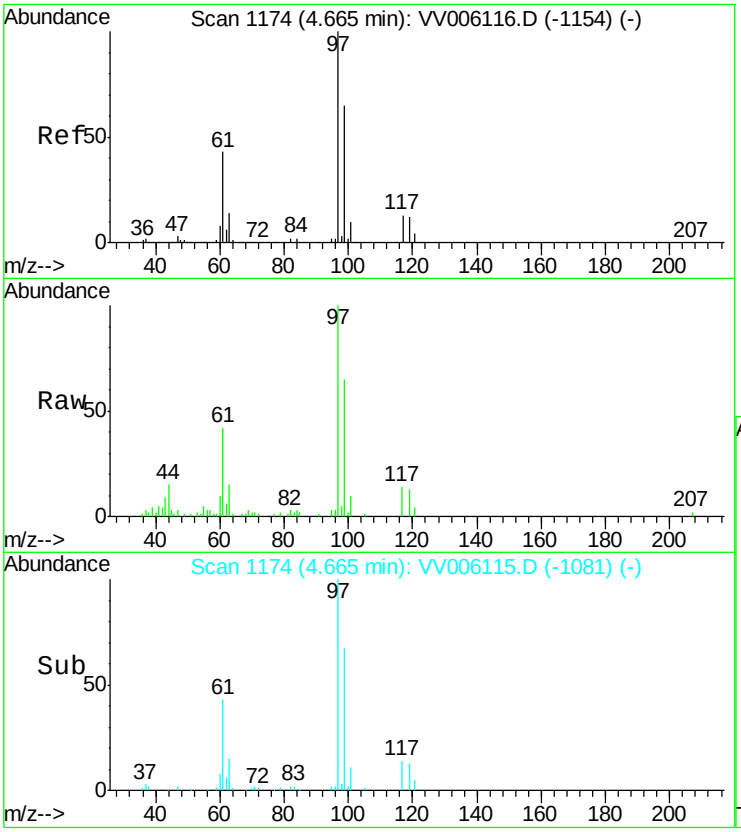




#27
1,2-Dichloroethane
Concen: 0.59 ug/L
RT: 5.19 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VV006115.D
Acq: 31 May 2018 19:08

Tgt Ion: 62 Resp: 18177

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 12.7 | 8.6 | 12.8 |



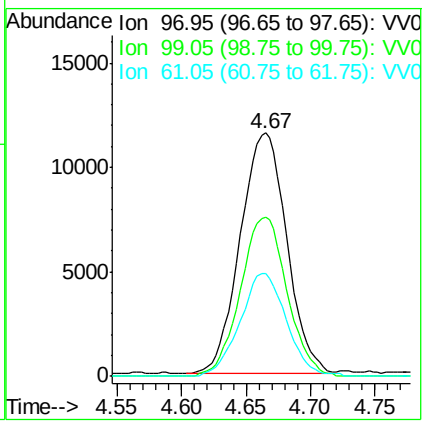


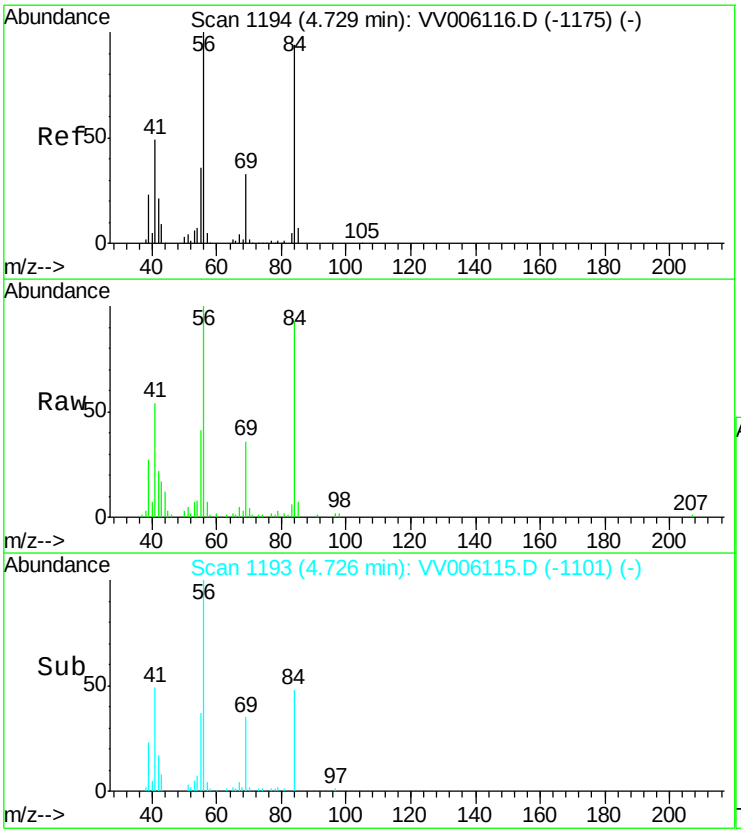

#29
1,1,1-Trichloroethane
Concen: 0.69 ug/L
RT: 4.67 min Scan# 1174
Delta R.T. -0.00 min
Lab File: VV006115.D
Acq: 31 May 2018 19:08

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00162

Tgt Ion: 97 Resp: 28857

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 66.5 | 51.5 | 77.3 |
| 61 | 42.5 | 33.7 | 50.5 |

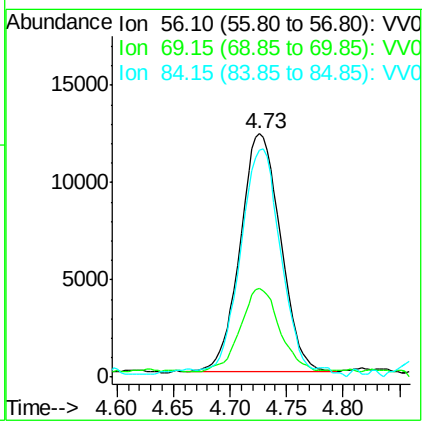


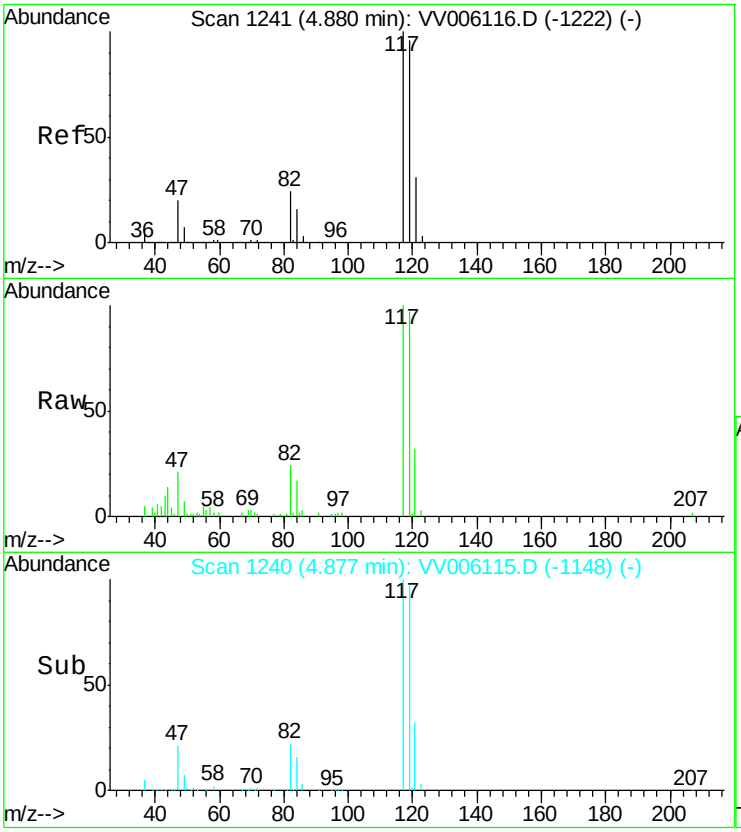




#30
Cyclohexane
Concen: 0.72 ug/L
RT: 4.73 min Scan# 1193
Delta R.T. -0.00 min
Lab File: VV006115.D
Acq: 31 May 2018 19:08

Tgt Ion: 56 Resp: 30566

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 33.9 | 26.4 | 39.6 |
| 84 | 95.0 | 78.9 | 118.3 |



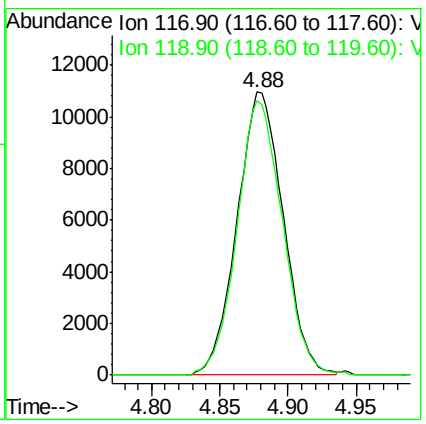


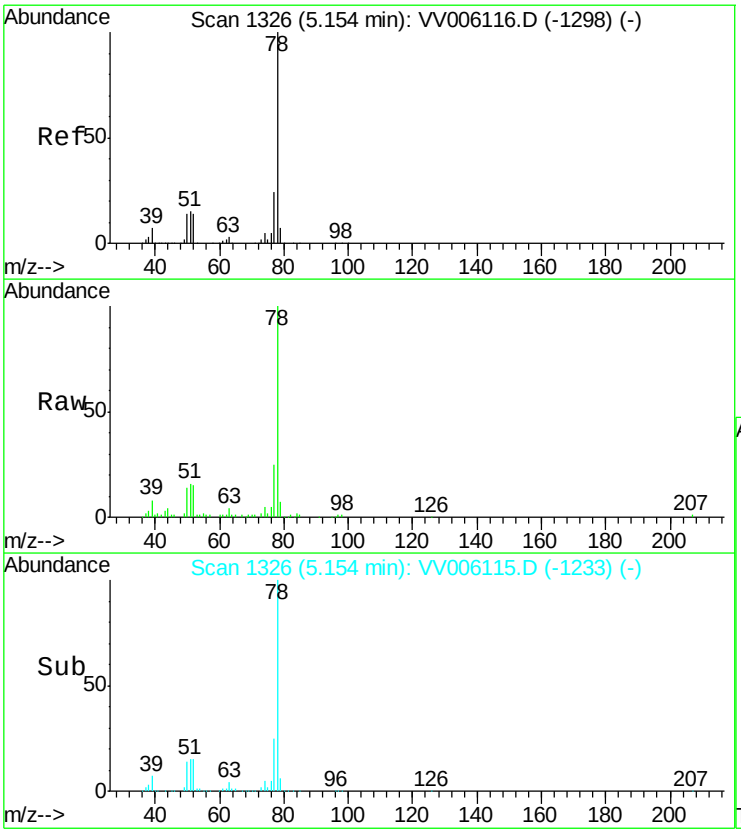

#31
Carbon tetrachloride
Concen: 0.69 ug/L
RT: 4.88 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VV006115.D
Acq: 31 May 2018 19:08

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00162

Tgt Ion:117 Resp: 25678

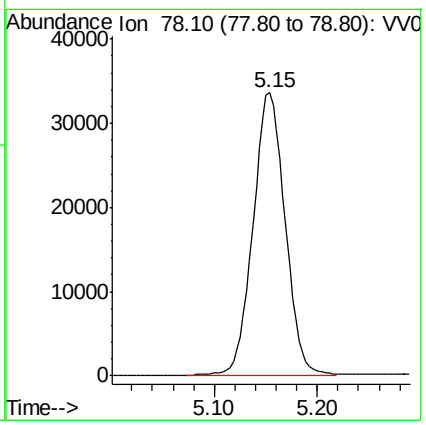
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.7 | 76.1 | 114.1 |

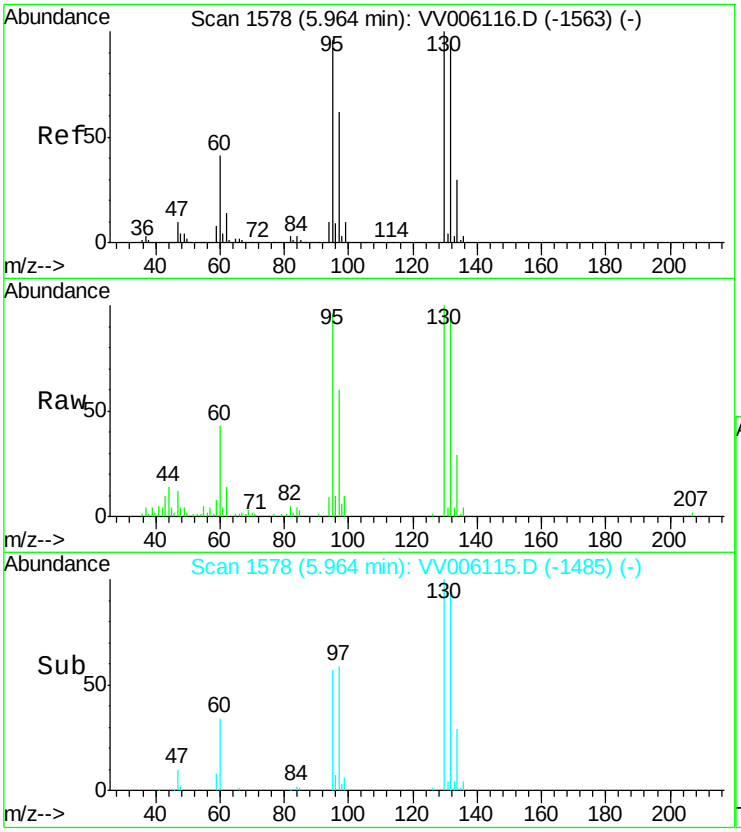



#33
Benzene
Concen: 0.66 ug/L
RT: 5.15 min Scan# 1326
Delta R.T. -0.00 min
Lab File: VV006115.D
Acq: 31 May 2018 19:08

Tgt Ion: 78 Resp: 72825



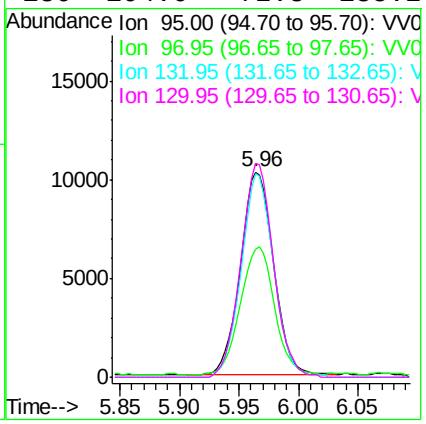


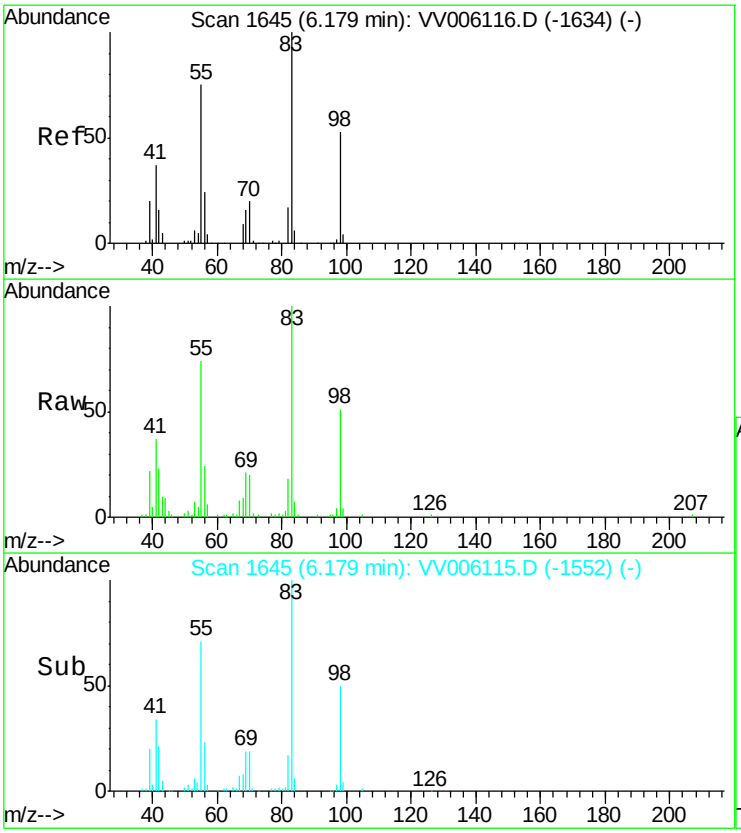

#34
Trichloroethene
Concen: 0.67 ug/L
RT: 5.96 min Scan# 1578
Delta R.T. -0.00 min
Lab File: VV006115.D
Acq: 31 May 2018 19:08

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00162

Tgt Ion: 95 Resp: 19823

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 62.6 | 45.1 | 83.9 |
| 132 | 99.0 | 69.0 | 128.1 |
| 130 | 104.0 | 72.8 | 135.2 |

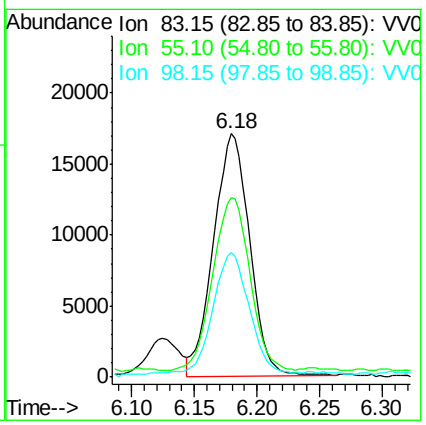


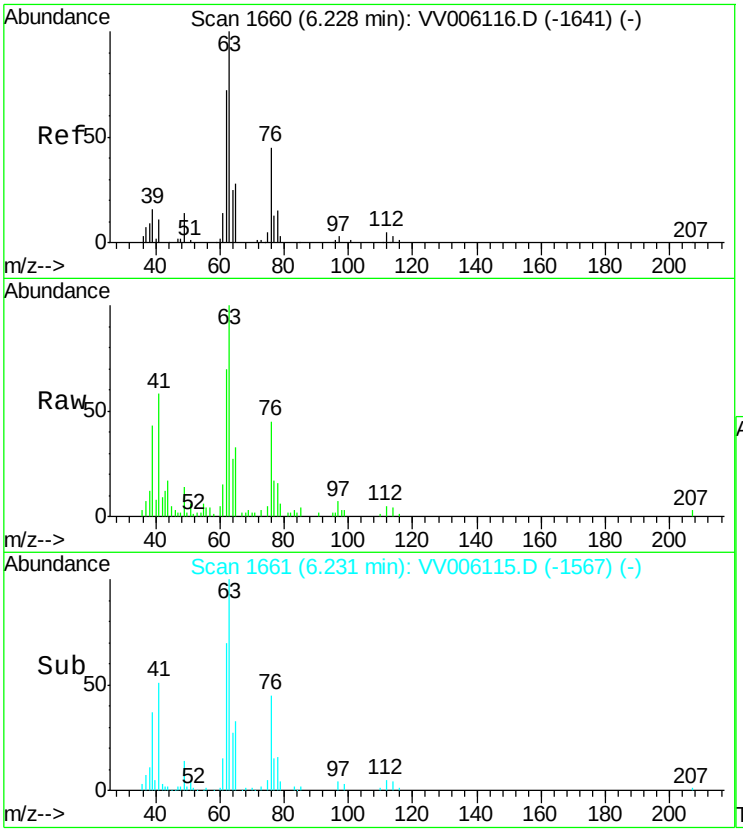




#35
Methylcyclohexane
Concen: 0.78 ug/L
RT: 6.18 min Scan# 1645
Delta R.T. -0.00 min
Lab File: VV006115.D
Acq: 31 May 2018 19:08

Tgt Ion: 83 Resp: 33993

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 73.2 | 57.5 | 86.3 |
| 98 | 50.4 | 39.8 | 59.8 |



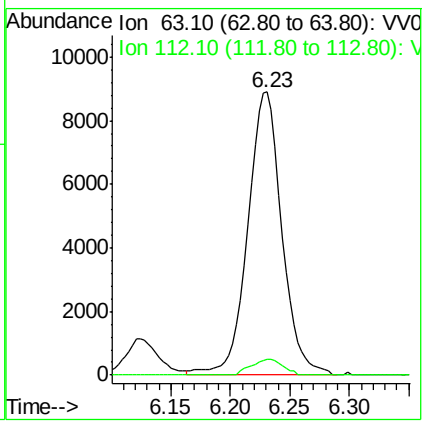


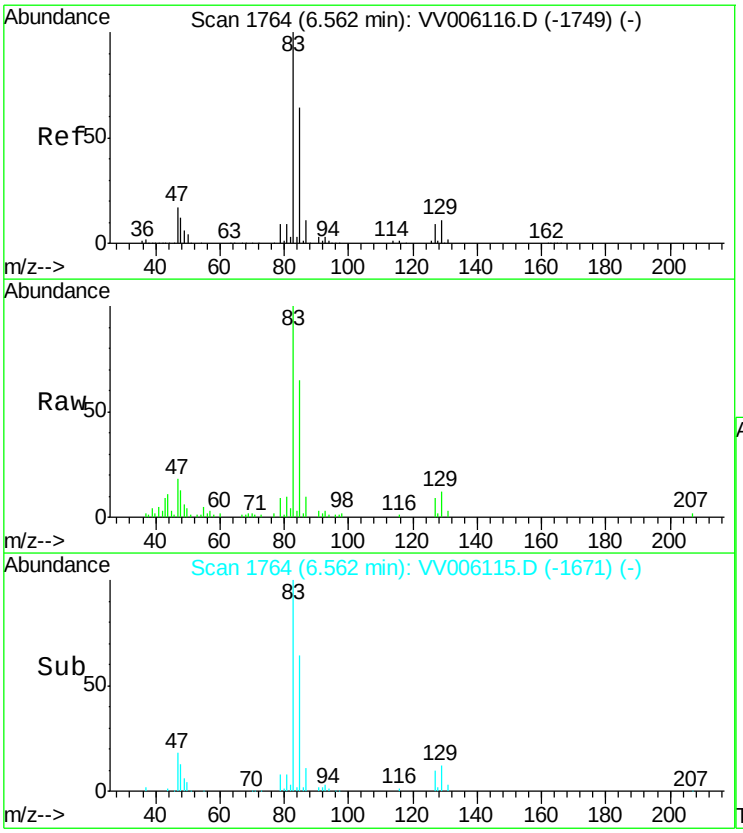

#37
1,2-Dichloropropane
Concen: 0.62 ug/L
RT: 6.23 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VV006115.D
Acq: 31 May 2018 19:08

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00162

Tgt Ion: 63 Resp: 17691

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 5.2 | 4.1 | 6.1 |

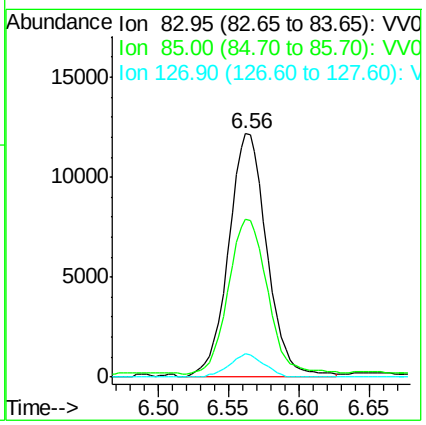


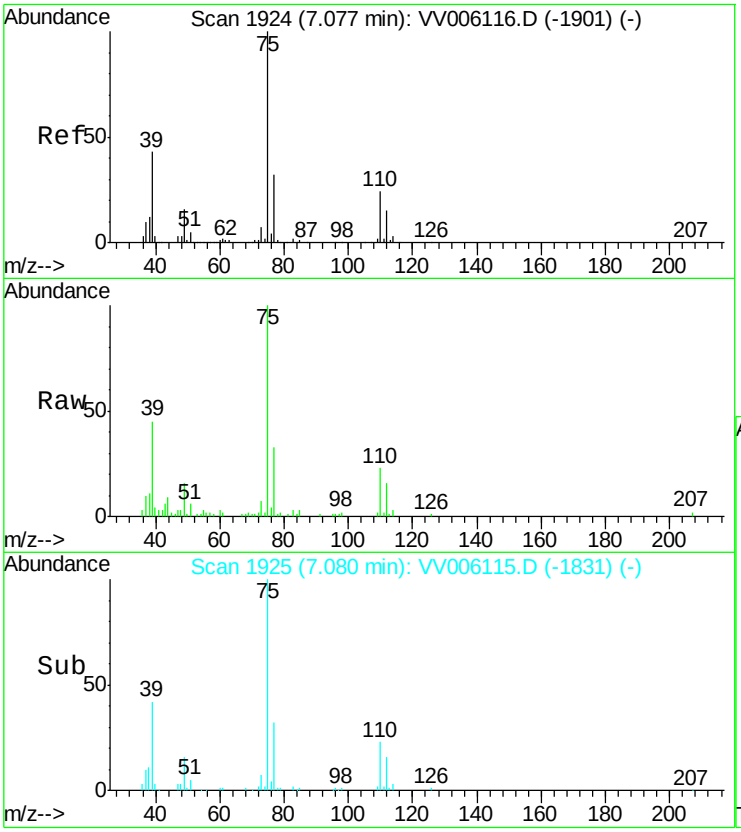




#38
Bromodichloromethane
Concen: 0.71 ug/L
RT: 6.56 min Scan# 1764
Delta R.T. -0.00 min
Lab File: VV006115.D
Acq: 31 May 2018 19:08

Tgt Ion: 83 Resp: 23194

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.9 | 44.9 | 83.5 |
| 127 | 9.4 | 7.0 | 10.4 |



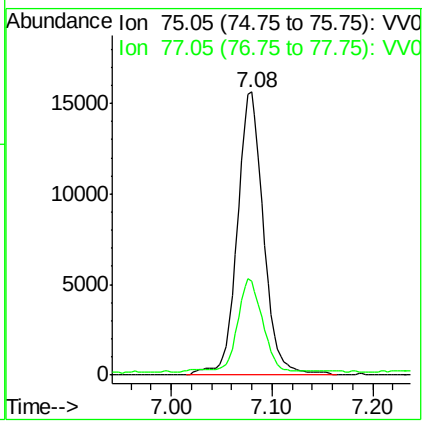


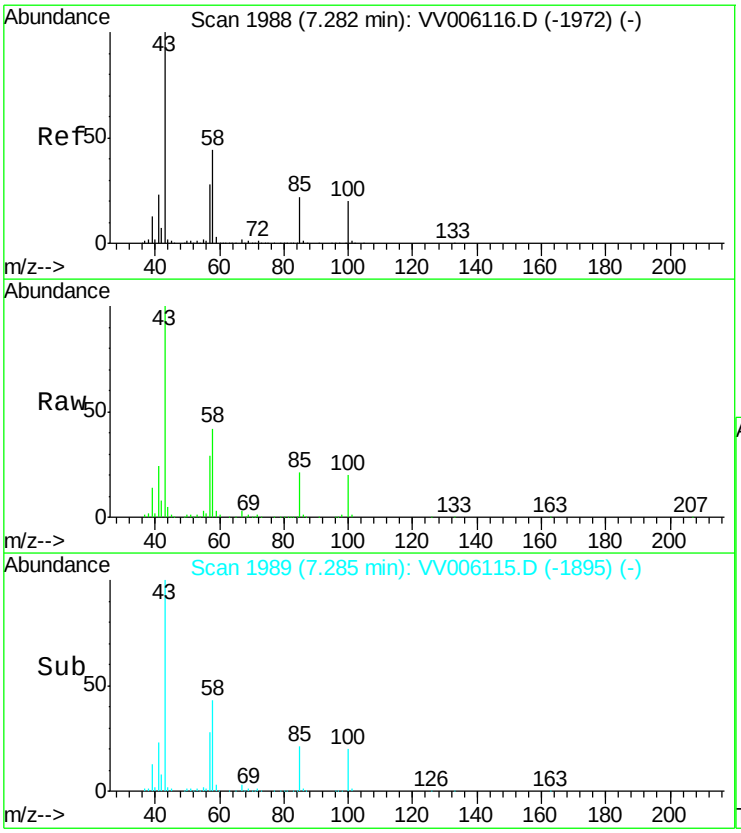

#39
cis-1,3-Dichloropropene
Concen: 0.75 ug/L
RT: 7.08 min Scan# 1925
Delta R.T. 0.00 min
Lab File: VV006115.D
Acq: 31 May 2018 19:08

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00162

Tgt Ion: 75 Resp: 28148

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 33.2 | 22.5 | 41.7 |

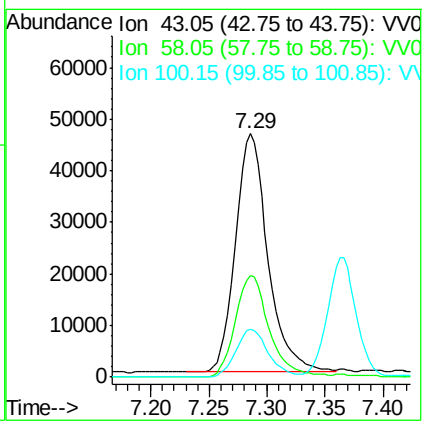


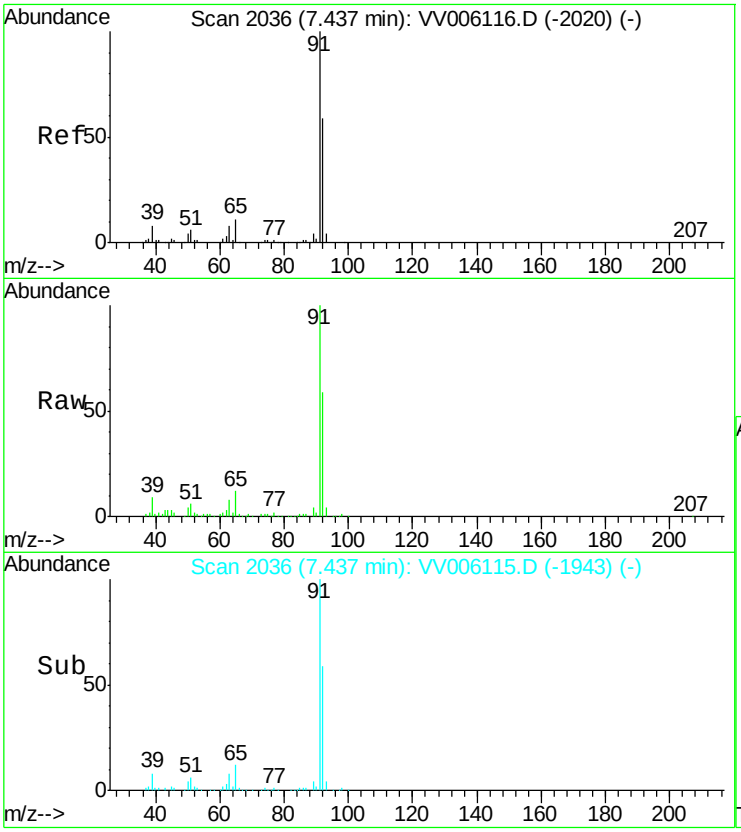




#40
4-Methyl-2-pentanone
Concen: 5.85 ug/L
RT: 7.29 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VV006115.D
Acq: 31 May 2018 19:08

Tgt Ion: 43 Resp: 89119

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 44.7 | 36.0 | 54.0 |
| 100 | 20.2 | 15.4 | 23.2 |



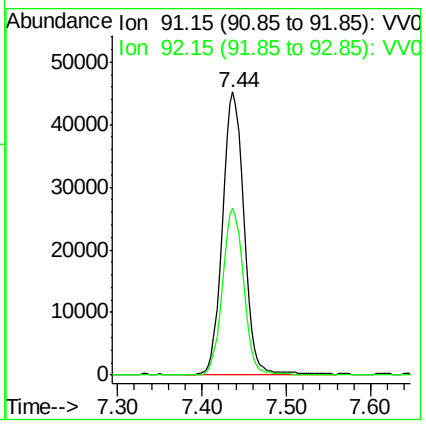


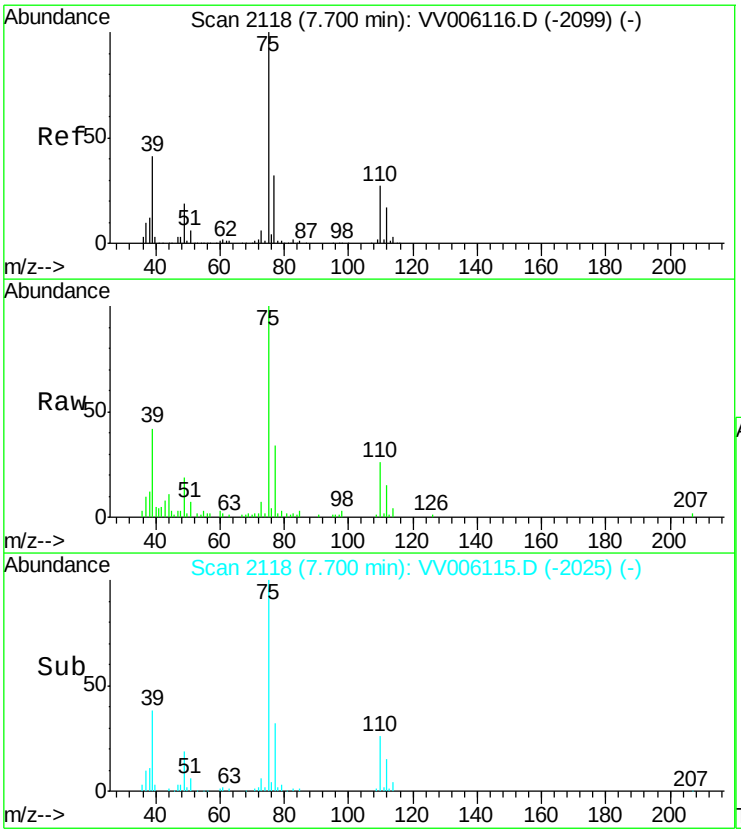

#42
Toluene
Concen: 0.71 ug/L
RT: 7.44 min Scan# 2036
Delta R.T. -0.00 min
Lab File: VV006115.D
Acq: 31 May 2018 19:08

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00162

Tgt Ion: 91 Resp: 80702

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 58.8 | 41.1 | 76.3 |

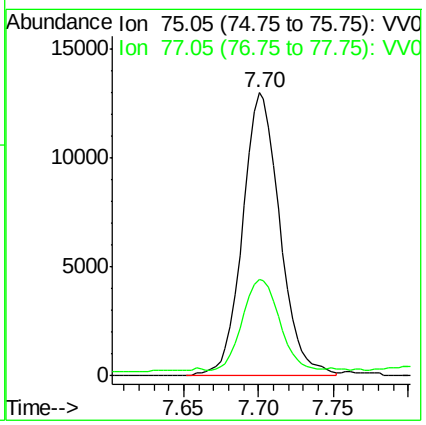


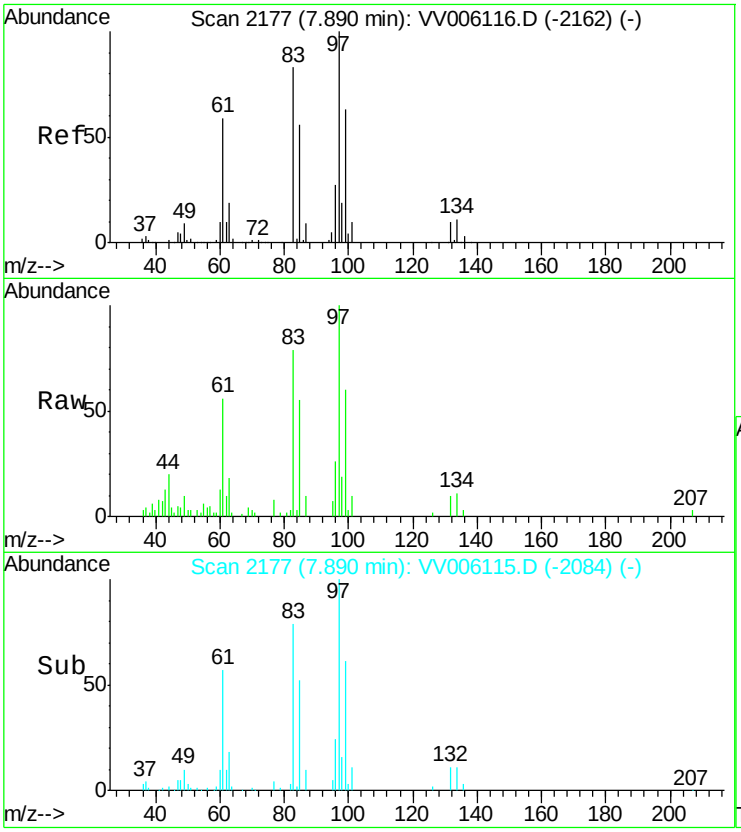




#44
trans-1,3-Dichloropropene
Concen: 0.74 ug/L
RT: 7.70 min Scan# 2118
Delta R.T. -0.00 min
Lab File: VV006115.D
Acq: 31 May 2018 19:08

Tgt Ion: 75 Resp: 22666

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 34.1 | 23.0 | 42.6 |



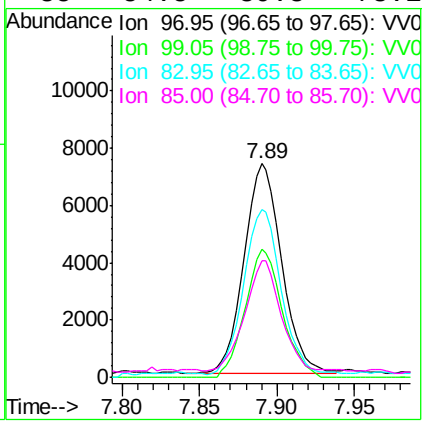


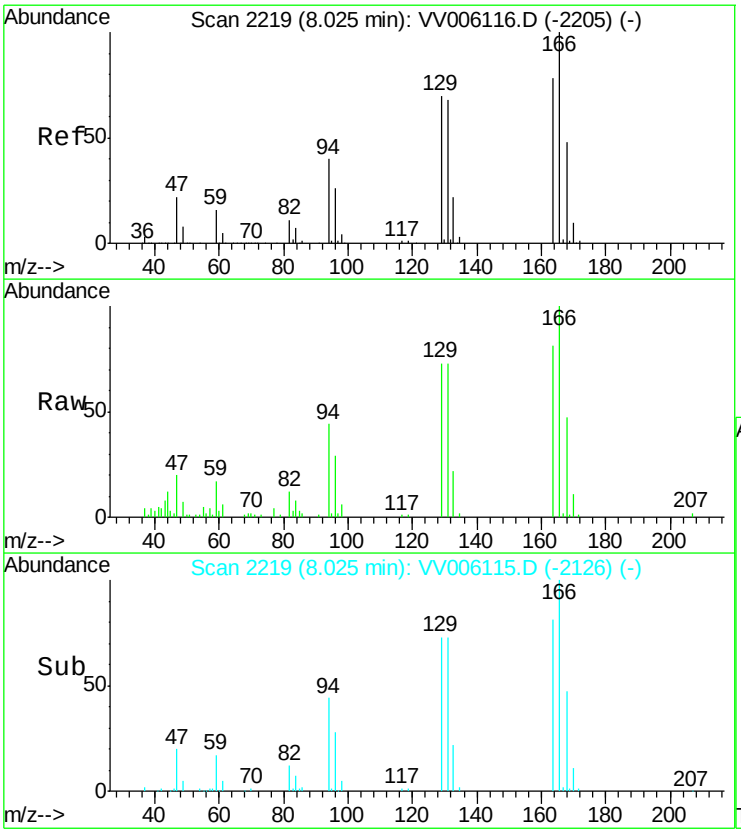

#45
1,1,2-Trichloroethane
Concen: 0.68 ug/L
RT: 7.89 min Scan# 2177
Delta R.T. -0.00 min
Lab File: VV006115.D
Acq: 31 May 2018 19:08

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00162

Tgt Ion: 97 Resp: 12535

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 59.8 | 43.8 | 81.3 |
| 83 | 78.8 | 58.2 | 108.2 |
| 85 | 54.5 | 39.3 | 73.1 |

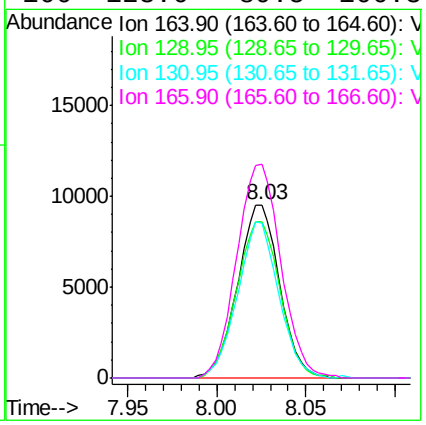


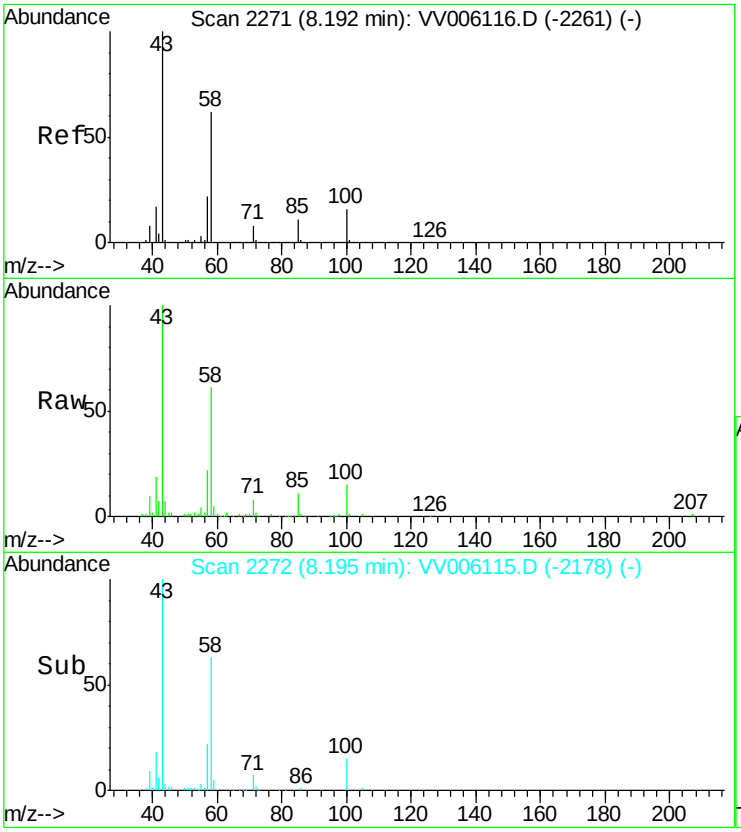




#47
Tetrachloroethene
Concen: 0.66 ug/L
RT: 8.03 min Scan# 2219
Delta R.T. -0.00 min
Lab File: VV006115.D
Acq: 31 May 2018 19:08

Tgt Ion:164 Resp: 15630

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 90.3 | 62.7 | 116.5 |
| 131 | 89.8 | 61.0 | 113.2 |
| 166 | 123.6 | 89.5 | 166.3 |



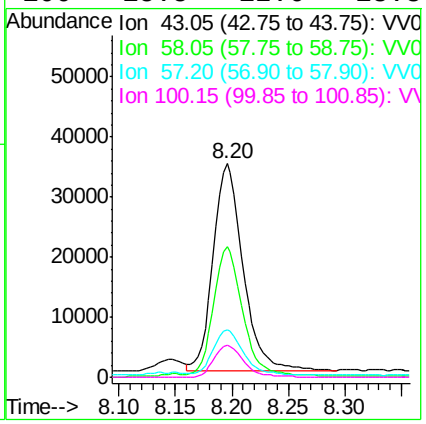


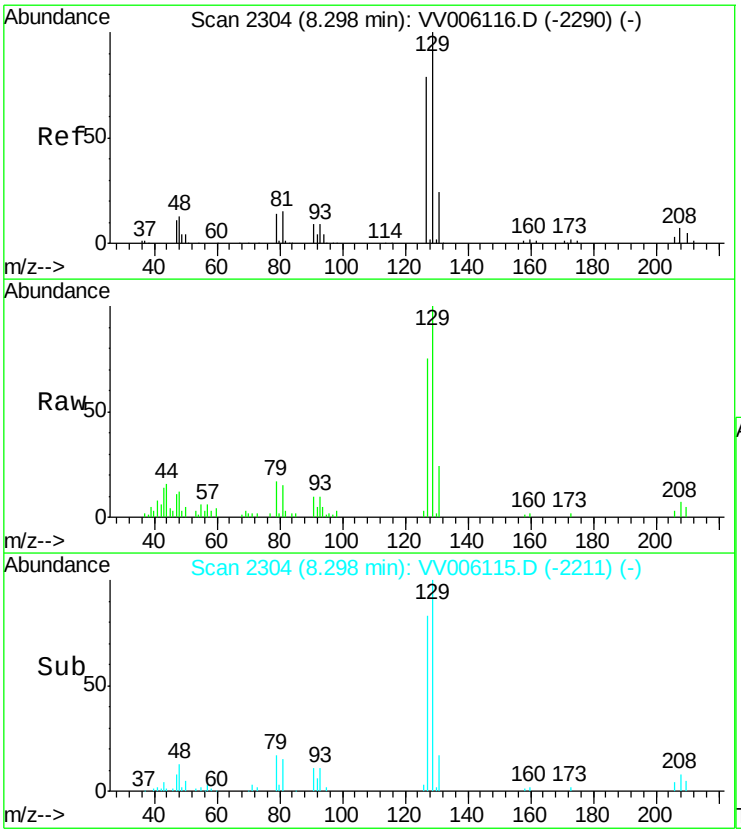

#48
2-Hexanone
Concen: 5.90 ug/L
RT: 8.20 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV006115.D
Acq: 31 May 2018 19:08

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00162

Tgt Ion: 43 Resp: 63849

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 61.3 | 48.6 | 72.8 |
| 57 | 21.0 | 17.5 | 26.3 |
| 100 | 15.5 | 12.6 | 18.8 |

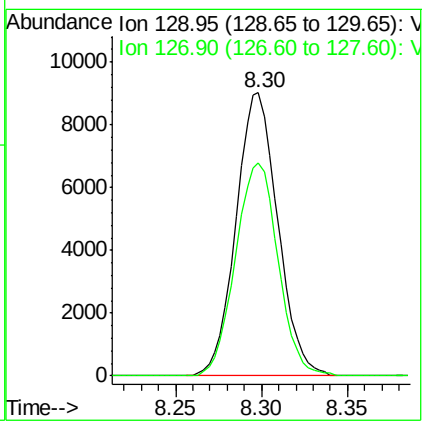


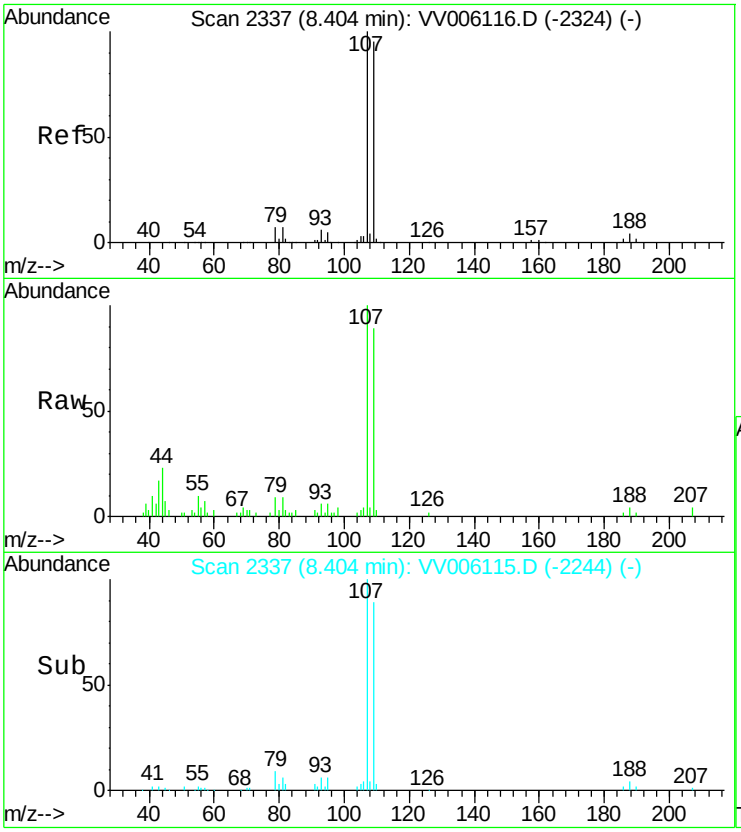




#49
Dibromochloromethane
Concen: 0.71 ug/L
RT: 8.30 min Scan# 2304
Delta R.T. -0.00 min
Lab File: VV006115.D
Acq: 31 May 2018 19:08

Tgt Ion:129 Resp: 15200

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 75.2 | 55.2 | 102.4 |



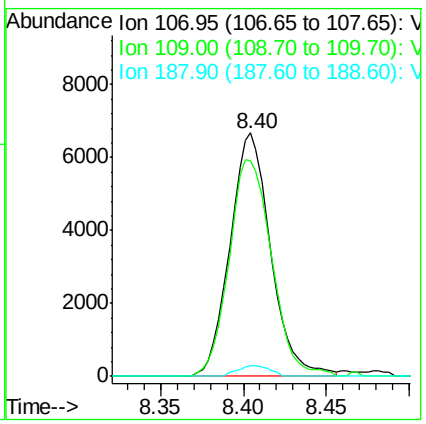


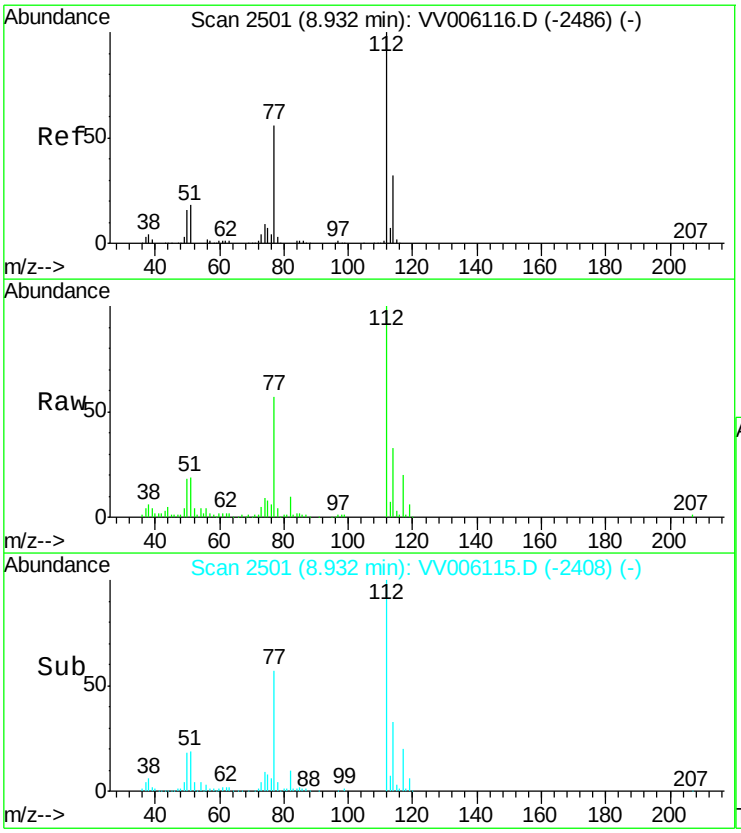

#50
1,2-Dibromoethane
Concen: 0.67 ug/L
RT: 8.40 min Scan# 2337
Delta R.T. -0.00 min
Lab File: VV006115.D
Acq: 31 May 2018 19:08

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00162

Tgt Ion:107 Resp: 11393

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 88.7 | 66.8 | 124.2 |
| 188 | 4.5 | 3.4 | 5.0 |

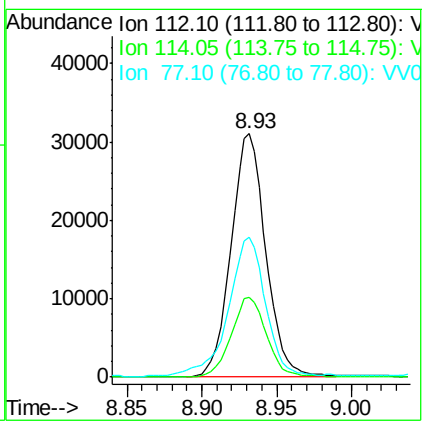


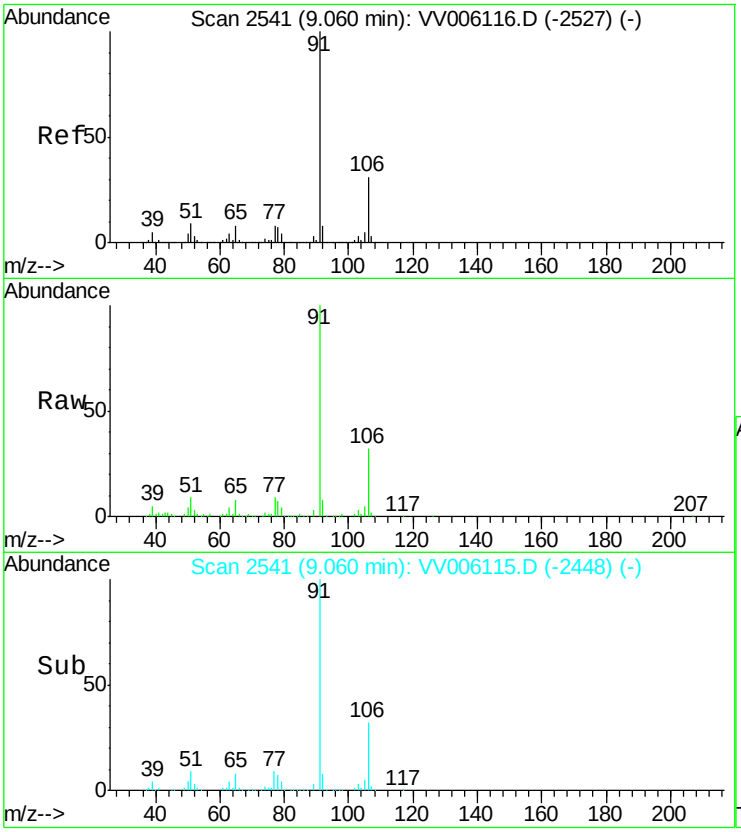




#51
Chlorobenzene
Concen: 0.68 ug/L
RT: 8.93 min Scan# 2501
Delta R.T. -0.00 min
Lab File: VV006115.D
Acq: 31 May 2018 19:08

Tgt Ion:112 Resp: 50058

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.9 | 22.2 | 41.2 |
| 77 | 57.3 | 45.2 | 67.8 |



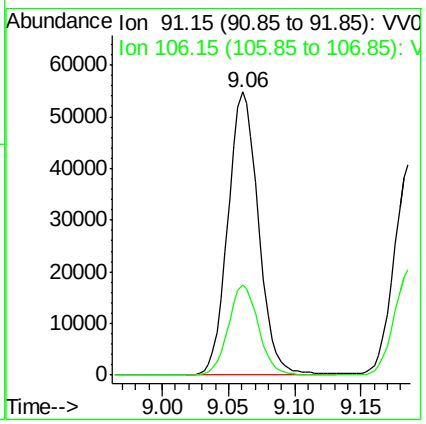


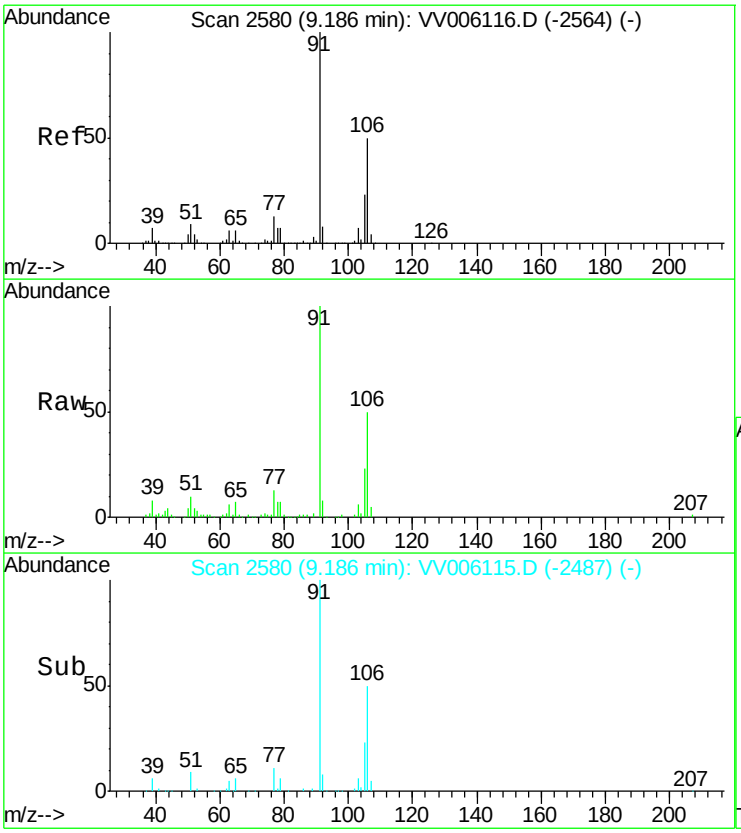

#52
Ethylbenzene
Concen: 0.73 ug/L
RT: 9.06 min Scan# 2541
Delta R.T. -0.00 min
Lab File: VV006115.D
Acq: 31 May 2018 19:08

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00162

Tgt Ion: 91 Resp: 87884

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 31.7 | 21.9 | 40.7 |

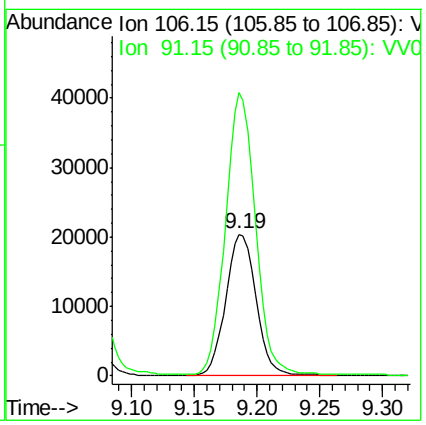


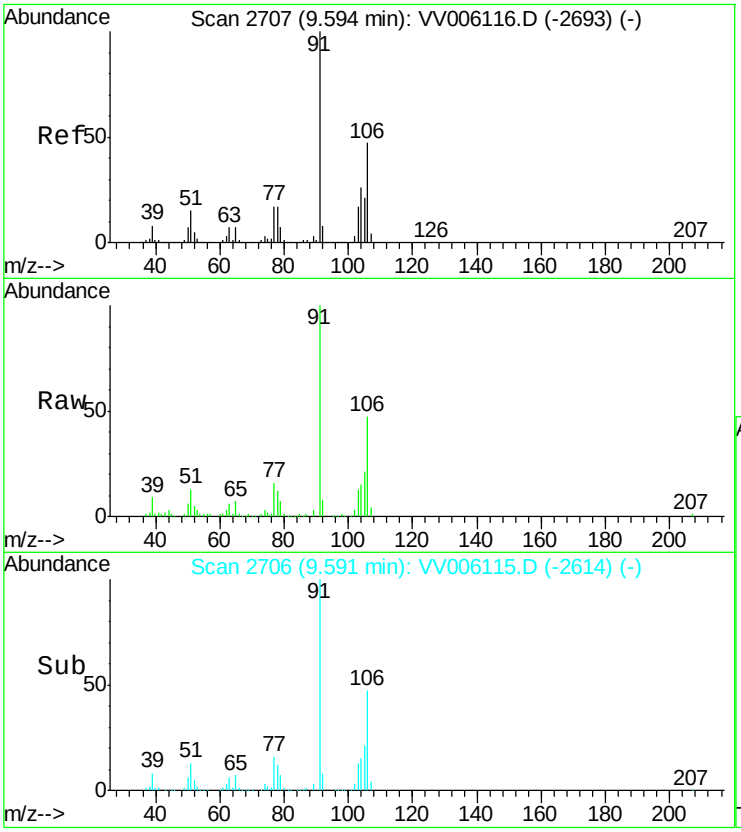




#53
m,p-xylene
Concen: 0.76 ug/L
RT: 9.19 min Scan# 2580
Delta R.T. -0.00 min
Lab File: VV006115.D
Acq: 31 May 2018 19:08

Tgt Ion:106 Resp: 34470

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 199.9 | 139.7 | 259.4 |



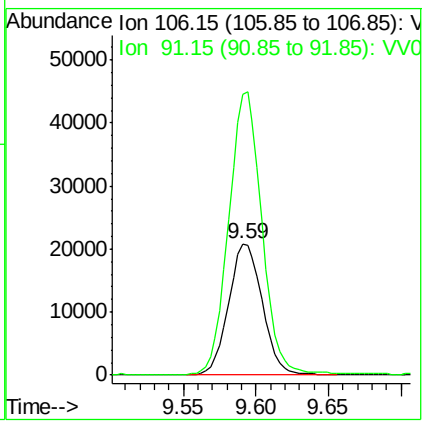


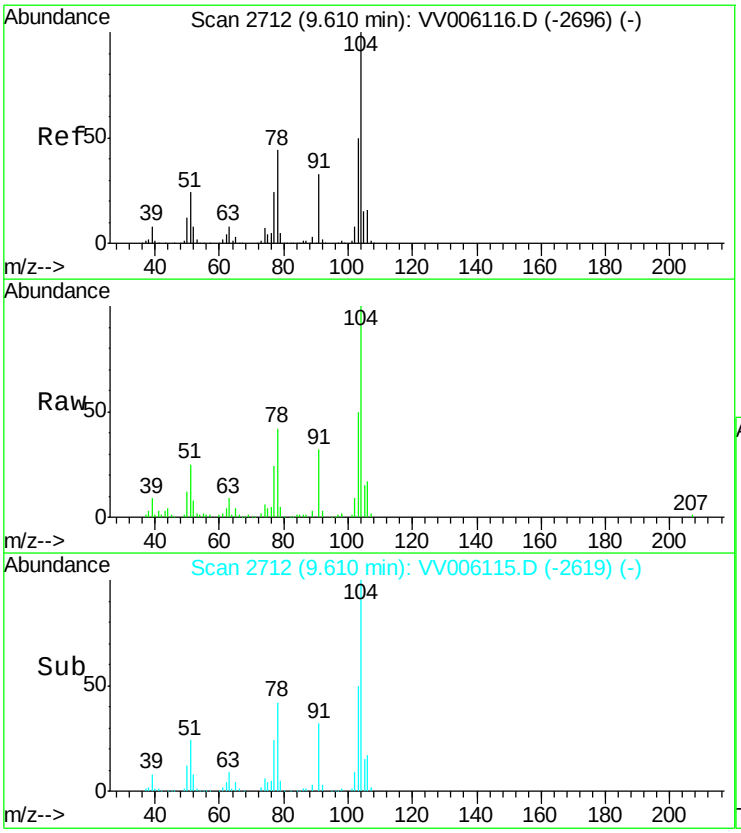

#54
o-xylene
Concen: 0.76 ug/L
RT: 9.59 min Scan# 2706
Delta R.T. -0.00 min
Lab File: VV006115.D
Acq: 31 May 2018 19:08

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00162

Tgt Ion:106 Resp: 33702

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 213.8 | 147.9 | 274.7 |

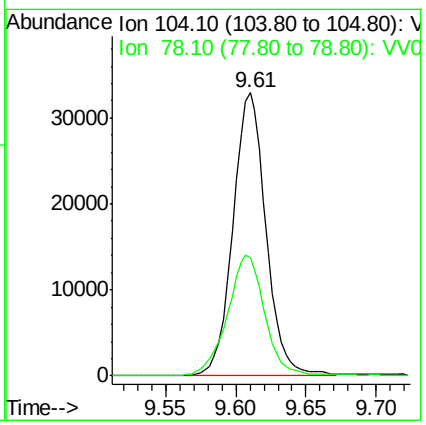


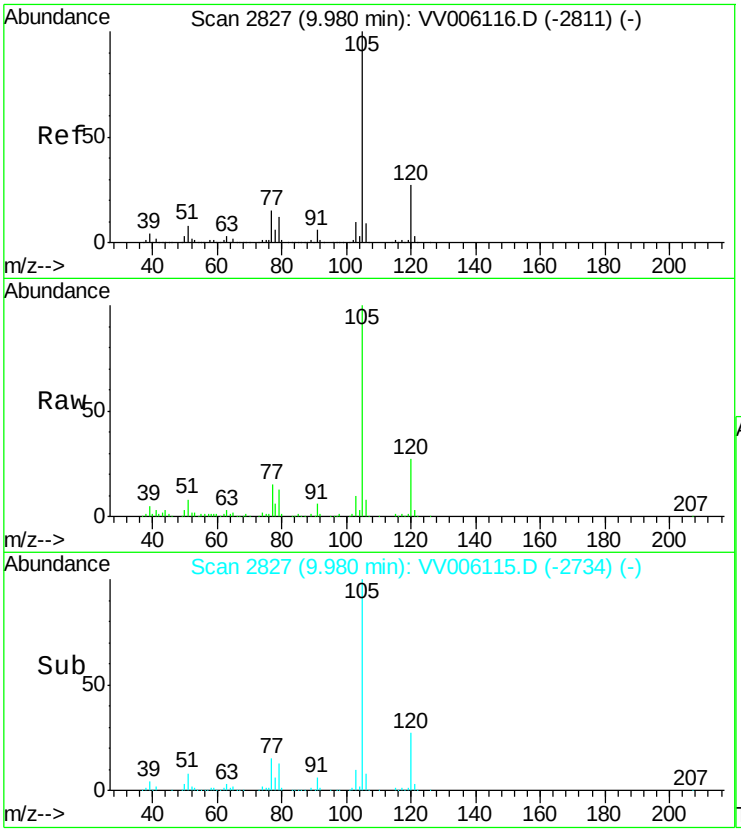




#55
Styrene
Concen: 0.73 ug/L
RT: 9.61 min Scan# 2712
Delta R.T. -0.00 min
Lab File: VV006115.D
Acq: 31 May 2018 19:08

Tgt Ion:104 Resp: 54000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 41.8 | 30.6 | 56.8 |



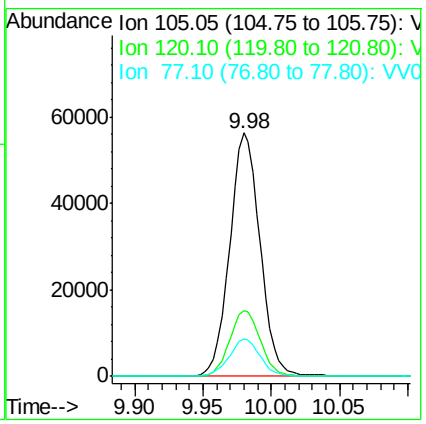


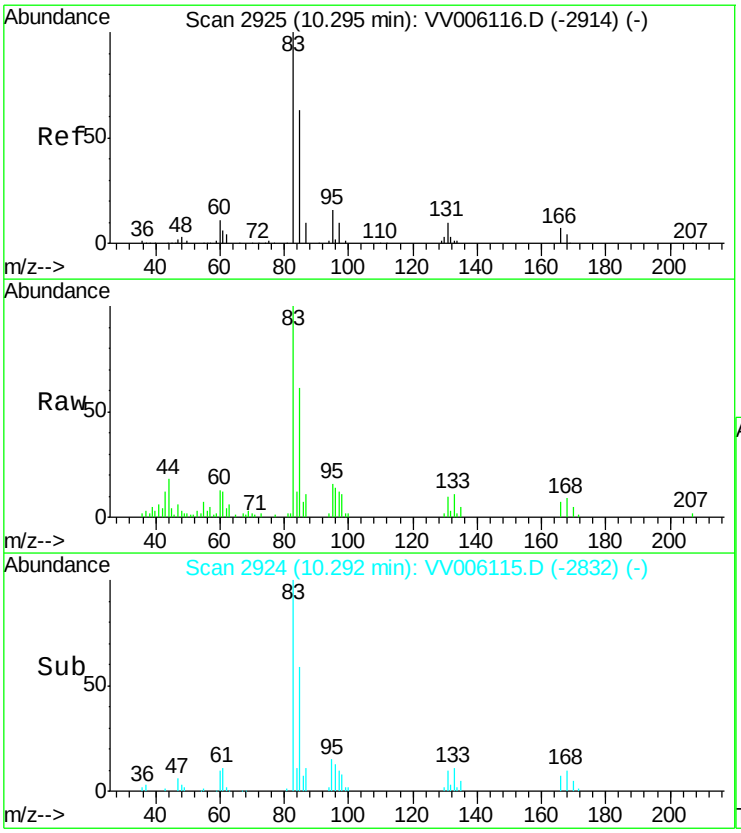

#56
Isopropylbenzene
Concen: 0.75 ug/L
RT: 9.98 min Scan# 2827
Delta R.T. -0.00 min
Lab File: VV006115.D
Acq: 31 May 2018 19:08

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00162

Tgt Ion:105 Resp: 86988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 27.3 | 21.4 | 32.2 |
| 77 | 16.0 | 11.9 | 17.9 |

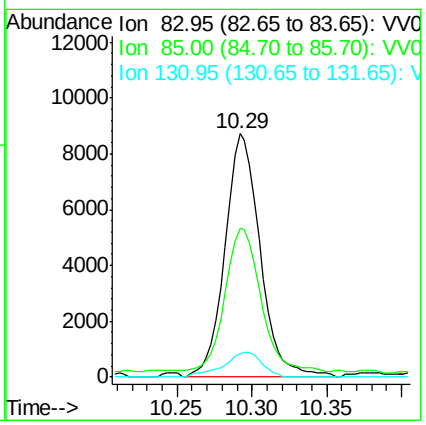


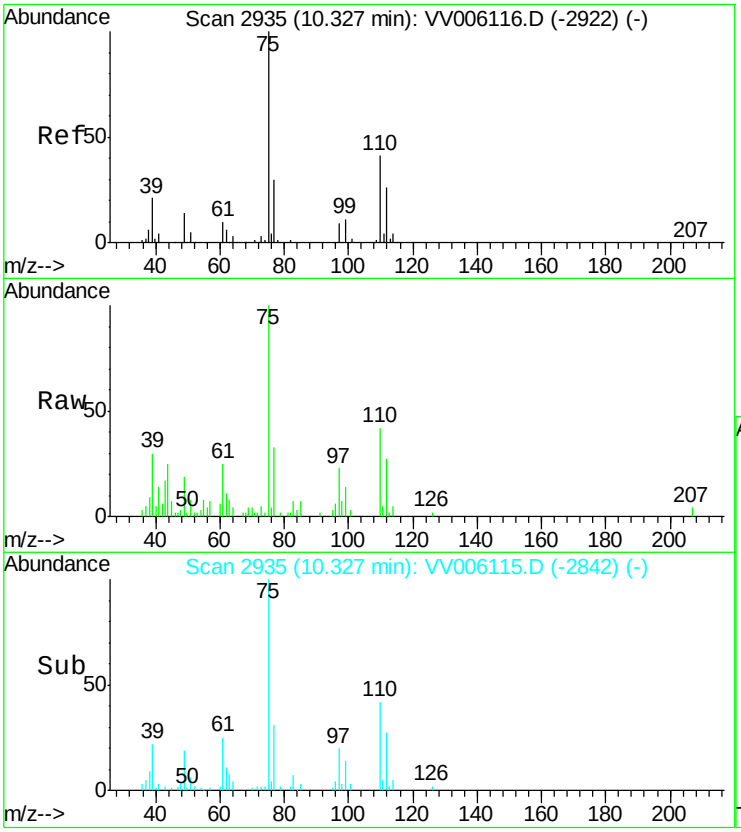




#58
1,1,2,2-Tetrachloroethane
Concen: 0.67 ug/L
RT: 10.29 min Scan# 2924
Delta R.T. -0.00 min
Lab File: VV006115.D
Acq: 31 May 2018 19:08

Tgt Ion: 83 Resp: 14286

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 60.9 | 45.0 | 83.6 |
| 131 | 9.8 | 8.3 | 12.5 |



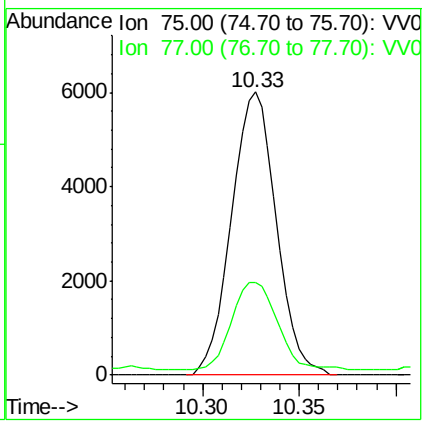


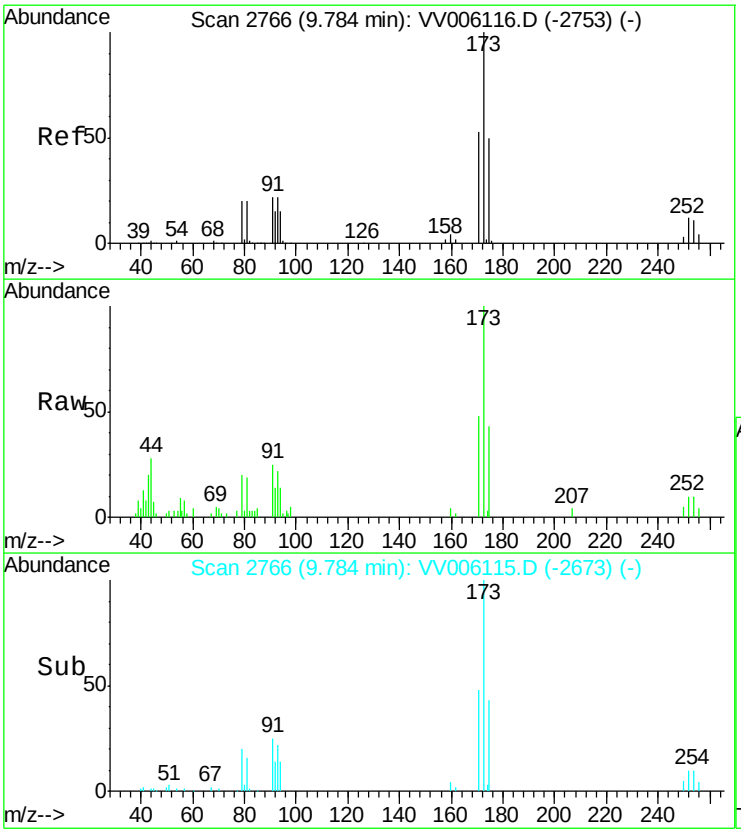

#59
1,2,3-Trichloropropane
Concen: 0.62 ug/L
RT: 10.33 min Scan# 2935
Delta R.T. -0.00 min
Lab File: VV006115.D
Acq: 31 May 2018 19:08

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00162

Tgt Ion: 75 Resp: 9668

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.1 | 25.7 | 38.5 |

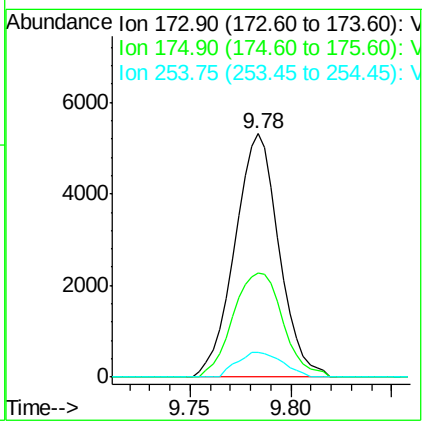


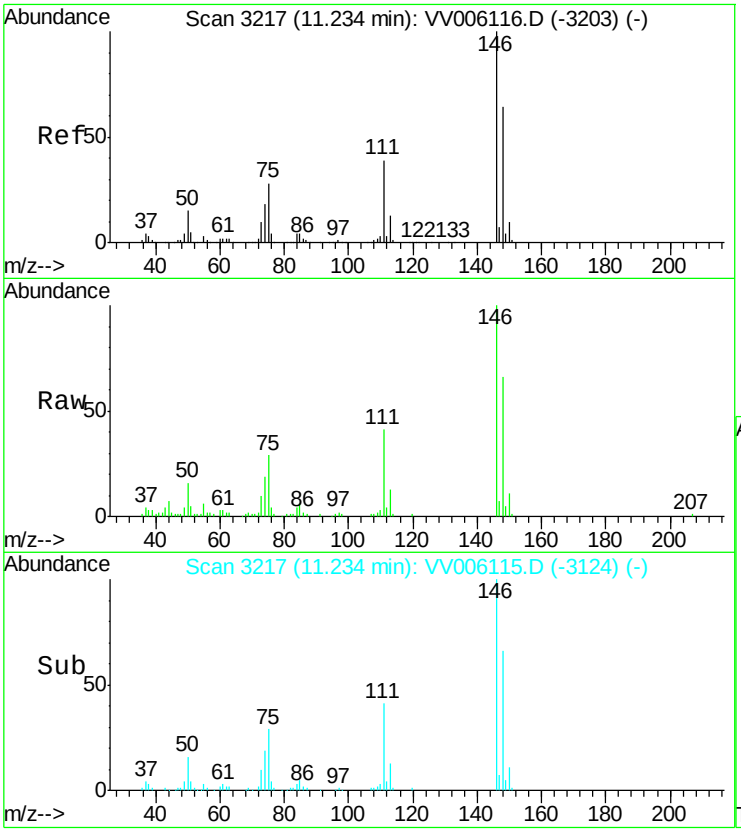




#61
Bromoform
Concen: 0.72 ug/L
RT: 9.78 min Scan# 2766
Delta R.T. -0.00 min
Lab File: VV006115.D
Acq: 31 May 2018 19:08

Tgt Ion:173 Resp: 8154

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.3 | 39.3 | 58.9 |
| 254 | 10.5 | 9.1 | 13.7 |



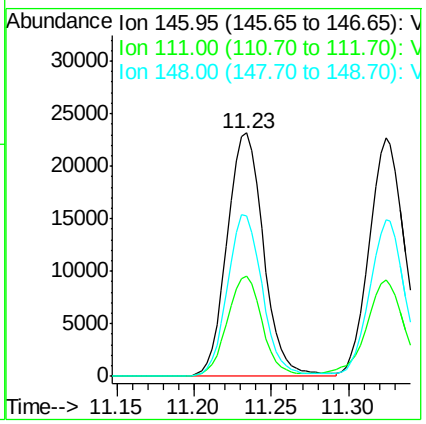


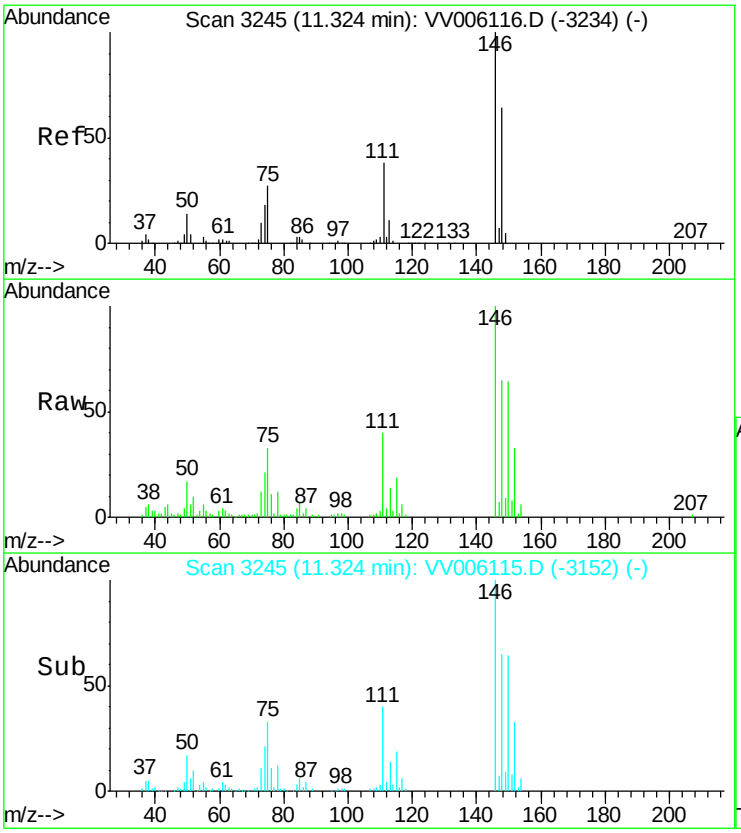

#62
1,3-Dichlorobenzene
Concen: 0.73 ug/L
RT: 11.23 min Scan# 3217
Delta R.T. -0.00 min
Lab File: VV006115.D
Acq: 31 May 2018 19:08

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00162

Tgt Ion:146 Resp: 37993

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.9 | 27.6 | 51.2 |
| 148 | 65.8 | 45.1 | 83.7 |

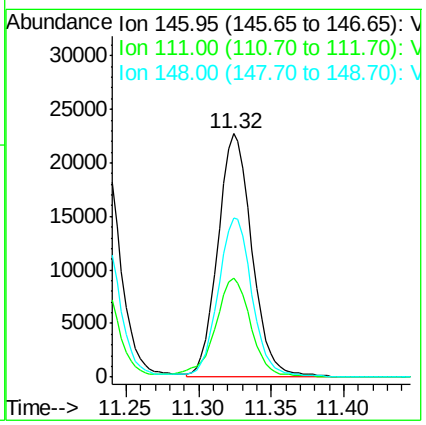


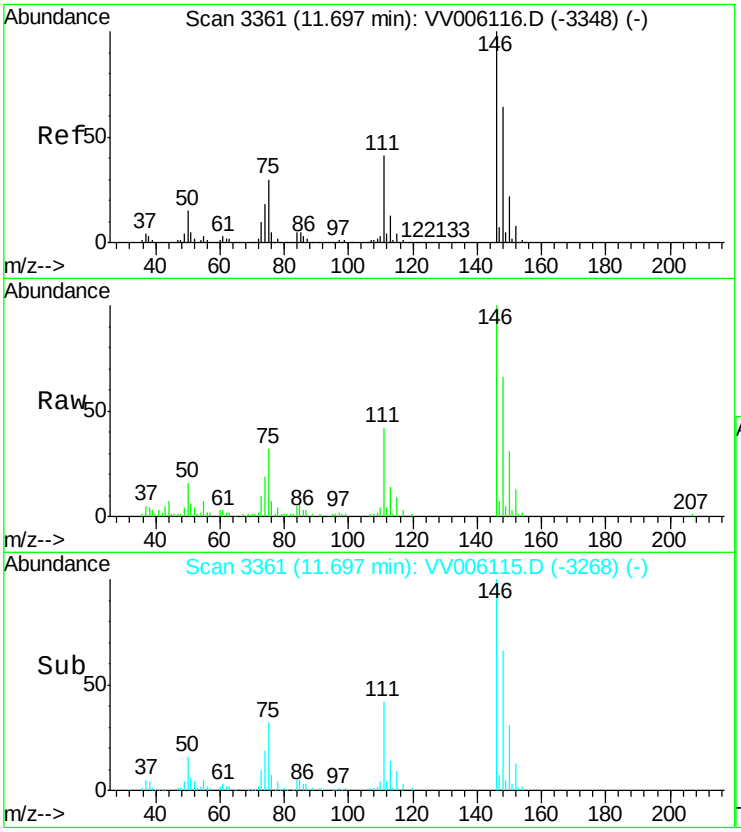




#63
1,4-Dichlorobenzene
Concen: 0.70 ug/L
RT: 11.32 min Scan# 3245
Delta R.T. -0.00 min
Lab File: VV006115.D
Acq: 31 May 2018 19:08

Tgt Ion:146 Resp: 37111

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.5 | 26.9 | 50.1 |
| 148 | 65.3 | 44.8 | 83.2 |



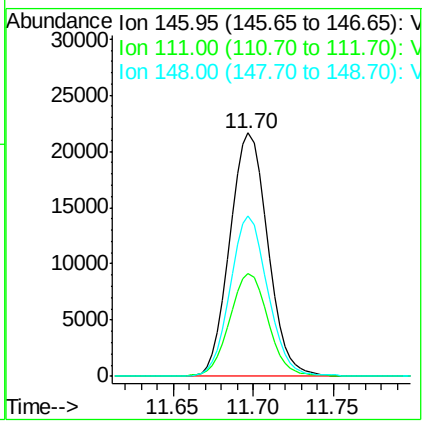


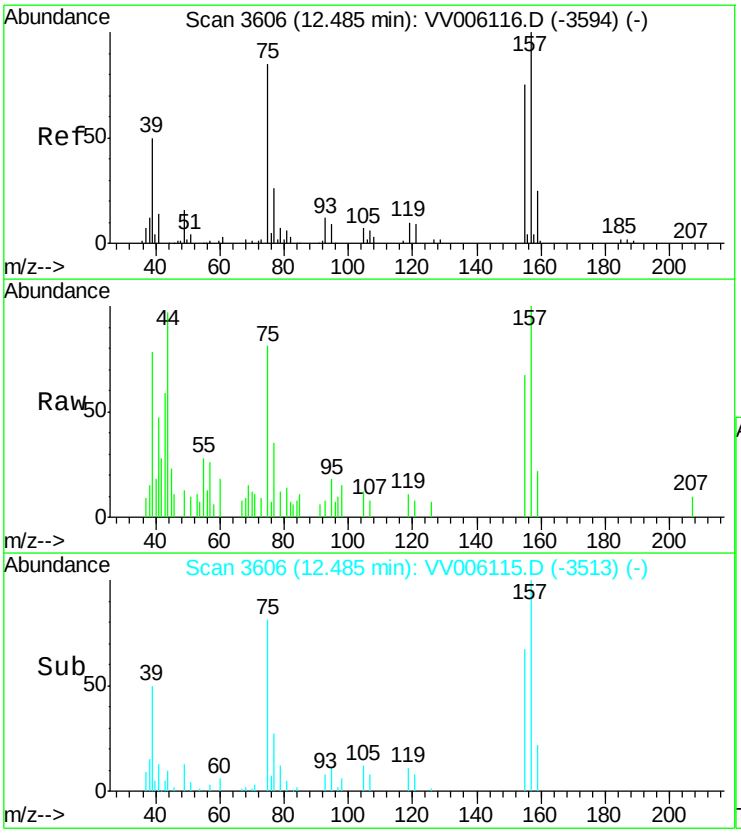

#65
1,2-Dichlorobenzene
Concen: 0.69 ug/L
RT: 11.70 min Scan# 3361
Delta R.T. -0.00 min
Lab File: VV006115.D
Acq: 31 May 2018 19:08

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00162

Tgt Ion:146 Resp: 35041

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.4 | 32.8 | 49.2 |
| 148 | 65.9 | 51.4 | 77.2 |

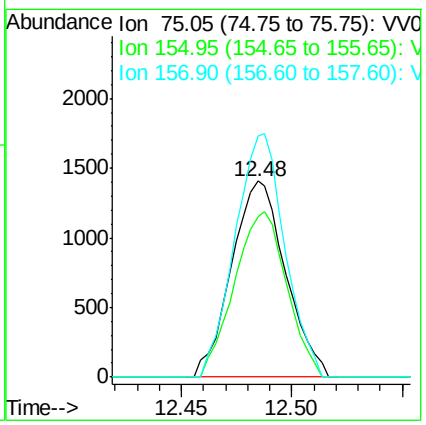


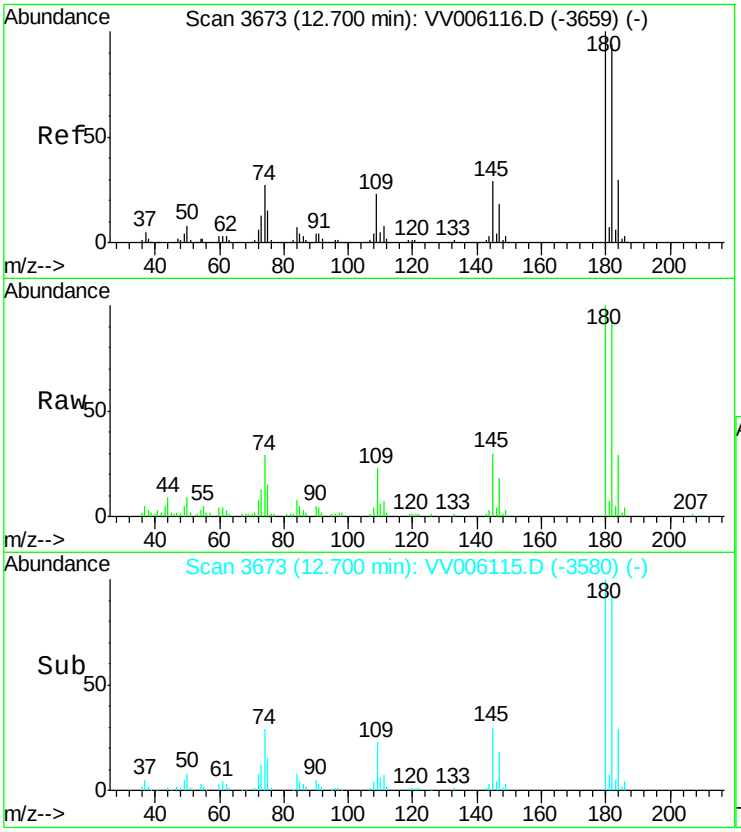




#66
1,2-Dibromo-3-chloropropane
Concen: 0.82 ug/L
RT: 12.48 min Scan# 3606
Delta R.T. -0.00 min
Lab File: VV006115.D
Acq: 31 May 2018 19:08

Tgt Ion: 75 Resp: 2397

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 82.1 | 70.3 | 105.5 |
| 157 | 123.0 | 93.8 | 140.6 |



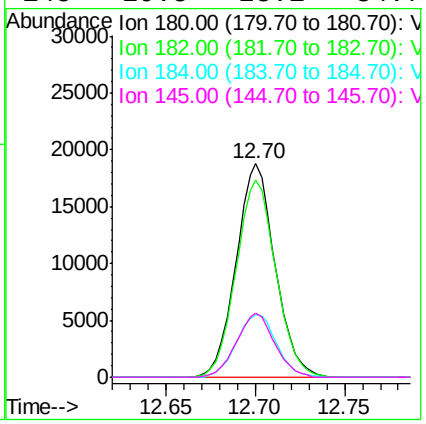


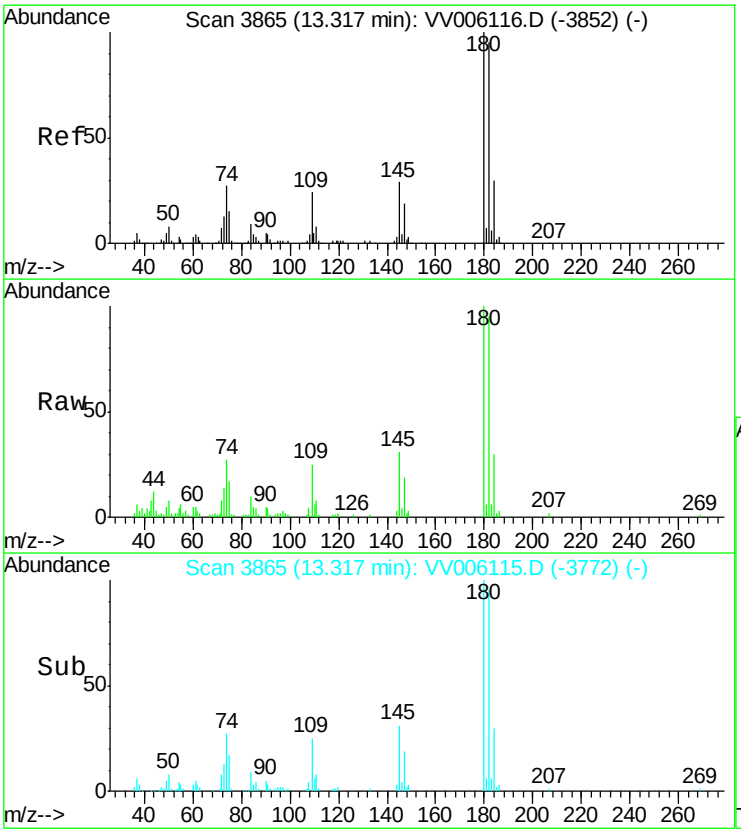

#67
1,3,5-Trichlorobenzene
Concen: 0.69 ug/L
RT: 12.70 min Scan# 3673
Delta R.T. -0.00 min
Lab File: VV006115.D
Acq: 31 May 2018 19:08

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00162

Tgt Ion:180 Resp: 28572

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.2 | 75.4 | 113.2 |
| 184 | 30.2 | 24.3 | 36.5 |
| 145 | 29.5 | 23.1 | 34.7 |

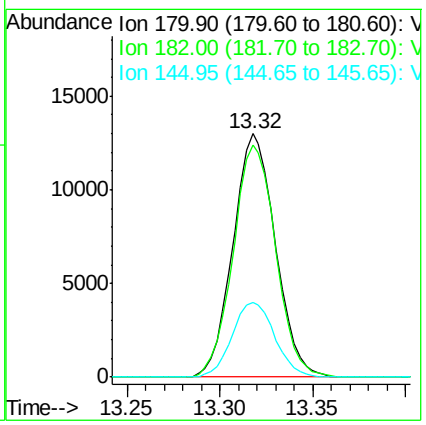


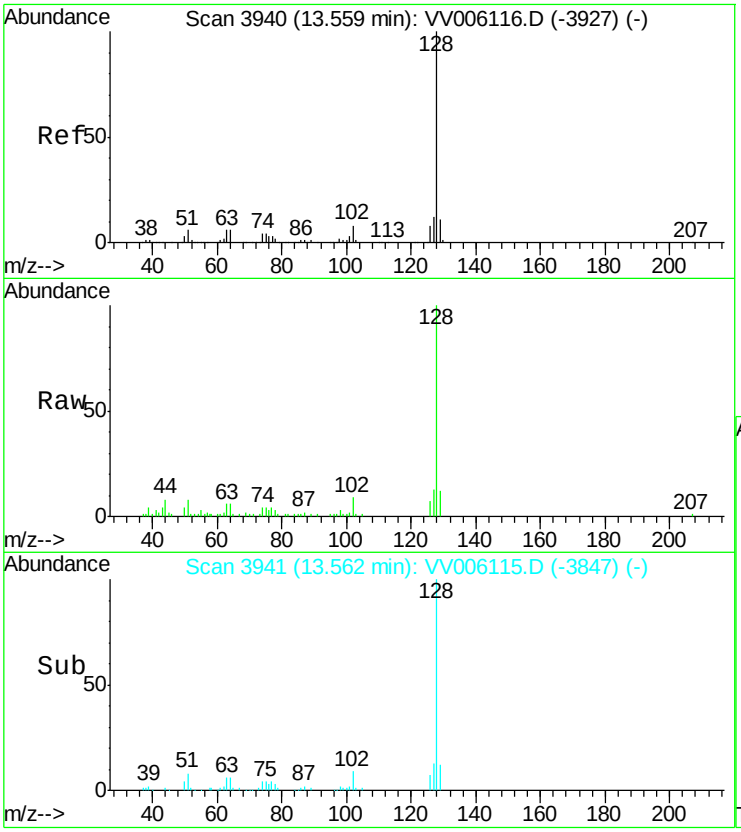




#68
1,2,4-trichlorobenzene
Concen: 0.64 ug/L
RT: 13.32 min Scan# 3865
Delta R.T. -0.00 min
Lab File: VV006115.D
Acq: 31 May 2018 19:08

Tgt Ion:180 Resp: 20567

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.7 | 76.7 | 115.1 |
| 145 | 30.9 | 23.7 | 35.5 |



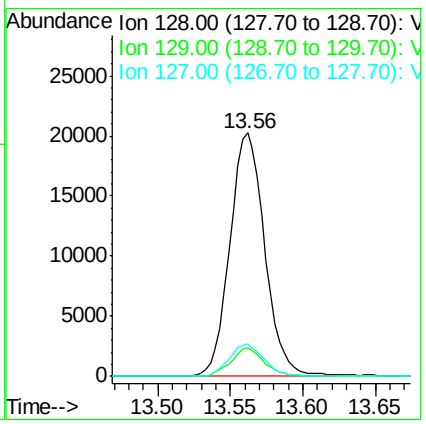


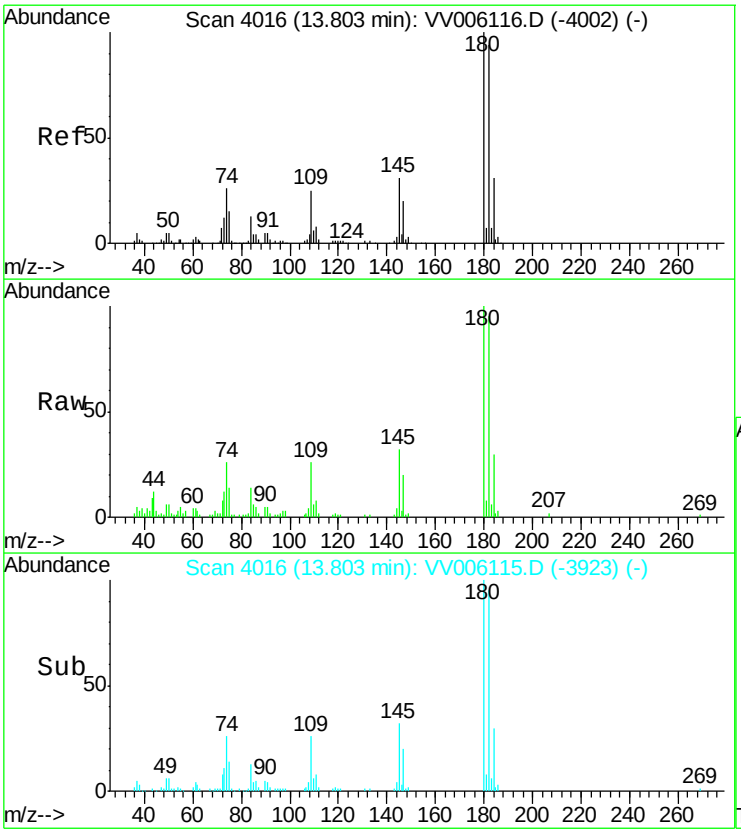

#69
Naphthalene
Concen: 0.71 ug/L
RT: 13.56 min Scan# 3941
Delta R.T. 0.00 min
Lab File: VV006115.D
Acq: 31 May 2018 19:08

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00162

Tgt Ion:128 Resp: 33846

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.0 | 8.7 | 13.1 |
| 127 | 13.2 | 10.1 | 15.1 |




#70
1,2,3-Trichlorobenzene
Concen: 0.65 ug/L
RT: 13.80 min Scan# 4016
Delta R.T. -0.00 min
Lab File: VV006115.D
Acq: 31 May 2018 19:08

Tgt Ion:180 Resp: 19409

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.4 | 76.2 | 114.2 |
| 145 | 32.5 | 25.0 | 37.4 |