Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV121018\

Quantitation Report (Not Reviewed)

Data File : VV008889.D
Acq On : 10 Dec 2018 15:31
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00574

Quant Time: Dec 11 03:24:34 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR120518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 11 03:21:37 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.66 | 114 | 127180 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.90 | 117 | 118249 | 5.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152 | 60315 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.32 | 65 | 22321 | 3.29 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 65.80% | | | |
| 7) Chloroethane-d5 | 1.58 | 69 | 19694 | 3.94 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 78.80% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.13 | 63 | 63275 | 4.84 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 96.80% | | | |
| 20) 2-Butanone-d5 | 3.98 | 46 | 74691 | 44.59 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 89.18% | | | |
| 24) Chloroform-d | 4.40 | 84 | 65835 | 4.18 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 83.60% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.09 | 65 | 31474 | 4.22 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 84.40% | | | |
| 32) Benzene-d6 | 5.10 | 84 | 125319 | 4.05 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 81.00% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.12 | 67 | 37314 | 4.11 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 82.20% | | | |
| 41) Toluene-d8 | 7.36 | 98 | 117865 | 4.03 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 80.60% | | | |
| 43) trans-1,3-Dichloropropene- | 7.67 | 79 | 15271 | 4.46 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 89.20% | | | |
| 46) 2-Hexanone-d5 | 8.14 | 63 | 61518 | 47.12 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 94.24% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26 | 84 | 26391 | 4.34 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 86.80% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.67 | 152 | 45634 | 4.11 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 82.20% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.14 | 85 | 57393 | 4.750 | ug/L | 99 |
| 3) Chloromethane | 1.25 | 50 | 36437 | 4.552 | ug/L | 98 |
| 5) Vinyl chloride | 1.32 | 62 | 38066 | 4.667 | ug/L | 97 |
| 6) Bromomethane | 1.54 | 94 | 24042 | 5.028 | ug/L | 98 |
| 8) Chloroethane | 1.60 | 64 | 21422 | 4.675 | ug/L | 97 |
| 9) Trichlorofluoromethane | 1.77 | 101 | 67222 | 5.114 | ug/L | 99 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.14 | 101 | 41821 | 5.847 | ug/L | 99 |
| 12) 1,1-Dichloroethene | 2.14 | 96 | 37656 | 6.043 | ug/L | 94 |
| 13) Acetone | 2.24 | 43 | 52255 | 56.042 | ug/L | 91 |
| 14) Carbon disulfide | 2.32 | 76 | 115004 | 6.133 | ug/L | 97 |
| 15) Methyl Acetate | 2.47 | 43 | 13552 | 6.580 | ug/L | 92 |
| 16) Methylene chloride | 2.54 | 84 | 37757 | 5.610 | ug/L | 96 |
| 17) Methyl tert-butyl Ether | 2.81 | 73 | 89323 | 5.838 | ug/L | 99 |
| 18) trans-1,2-Dichloroethene | 2.79 | 96 | 40017 | 5.875 | ug/L | 96 |
| 19) 1,1-Dichloroethane | 3.23 | 63 | 73922 | 4.966 | ug/L | 98 |
| 21) 2-Butanone | 4.06 | 43 | 82750 | 47.256 | ug/L | 98 |
| 22) cis-1,2-Dichloroethene | 3.96 | 96 | 46433 | 4.980 | ug/L | 97 |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV121018\

Quantitation Report (Not Reviewed)

Data File : VV008889.D
Acq On : 10 Dec 2018 15:31
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00574

Quant Time: Dec 11 03:24:34 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR120518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 11 03:21:37 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 23) Bromochloromethane | 4.30 | 128 | 19777 | 5.015 | ug/L | | 93 |
| 25) Chloroform | 4.43 | 83 | 77238 | 4.787 | ug/L | | 99 |
| 27) 1,2-Dichloroethane | 5.18 | 62 | 45756 | 4.969 | ug/L | | 100 |
| 29) 1,1,1-Trichloroethane | 4.66 | 97 | 70348 | 5.023 | ug/L | | 98 |
| 30) Cyclohexane | 4.72 | 56 | 66669 | 4.953 | ug/L | | 100 |
| 31) Carbon tetrachloride | 4.87 | 117 | 63948 | 5.073 | ug/L | | 98 |
| 33) Benzene | 5.15 | 78 | 167365 | 4.978 | ug/L | | 100 |
| 34) Trichloroethene | 5.96 | 95 | 48562 | 4.966 | ug/L | | 97 |
| 35) Methylcyclohexane | 6.17 | 83 | 74318 | 4.804 | ug/L | | 99 |
| 37) 1,2-Dichloropropane | 6.22 | 63 | 39204 | 4.758 | ug/L | | 99 |
| 38) Bromodichloromethane | 6.56 | 83 | 50959 | 5.025 | ug/L | | 98 |
| 39) cis-1,3-Dichloropropene | 7.07 | 75 | 57834 | 5.009 | ug/L | | 100 |
| 40) 4-Methyl-2-pentanone | 7.28 | 43 | 206536 | 49.414 | ug/L | | 99 |
| 42) Toluene | 7.43 | 91 | 180145 | 4.964 | ug/L | | 100 |
| 44) trans-1,3-Dichloropropene | 7.69 | 75 | 47142 | 5.263 | ug/L | | 94 |
| 45) 1,1,2-Trichloroethane | 7.88 | 97 | 28363 | 4.903 | ug/L | | 98 |
| 47) Tetrachloroethene | 8.02 | 164 | 39891 | 5.085 | ug/L | | 98 |
| 48) 2-Hexanone | 8.19 | 43 | 147347 | 50.009 | ug/L | | 99 |
| 49) Dibromochloromethane | 8.29 | 129 | 35389 | 5.230 | ug/L | | 100 |
| 50) 1,2-Dibromoethane | 8.40 | 107 | 27946 | 5.156 | ug/L | # | 99 |
| 51) Chlorobenzene | 8.93 | 112 | 119778 | 5.016 | ug/L | | 99 |
| 52) Ethylbenzene | 9.05 | 91 | 199109 | 5.025 | ug/L | | 100 |
| 53) m,p-xylene | 9.18 | 106 | 77477 | 5.119 | ug/L | | 100 |
| 54) o-xylene | 9.59 | 106 | 73120 | 5.065 | ug/L | | 99 |
| 55) Styrene | 9.60 | 104 | 125193 | 5.242 | ug/L | | 98 |
| 56) Isopropylbenzene | 9.97 | 105 | 202241 | 5.178 | ug/L | | 100 |
| 58) 1,1,2,2-Tetrachloroethane | 10.29 | 83 | 28933 | 4.956 | ug/L | | 100 |
| 59) 1,2,3-Trichloropropane | 10.32 | 75 | 24504 | 4.983 | ug/L | | 99 |
| 61) Bromoform | 9.78 | 173 | 18320 | 5.105 | ug/L | | 96 |
| 62) 1,3-Dichlorobenzene | 11.23 | 146 | 95212 | 4.882 | ug/L | | 99 |
| 63) 1,4-Dichlorobenzene | 11.32 | 146 | 96919 | 4.862 | ug/L | | 99 |
| 65) 1,2-Dichlorobenzene | 11.69 | 146 | 87793 | 4.874 | ug/L | | 99 |
| 66) 1,2-Dibromo-3-chloropropan | 12.48 | 75 | 4351 | 4.812 | ug/L | | 88 |
| 67) 1,3,5-Trichlorobenzene | 12.69 | 180 | 73142 | 5.038 | ug/L | | 99 |
| 68) 1,2,4-trichlorobenzene | 13.31 | 180 | 55346 | 5.132 | ug/L | | 99 |
| 69) Naphthalene | 13.56 | 128 | 75890 | 4.847 | ug/L | | 99 |
| 70) 1,2,3-Trichlorobenzene | 13.80 | 180 | 50933 | 5.045 | ug/L | | 98 |

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

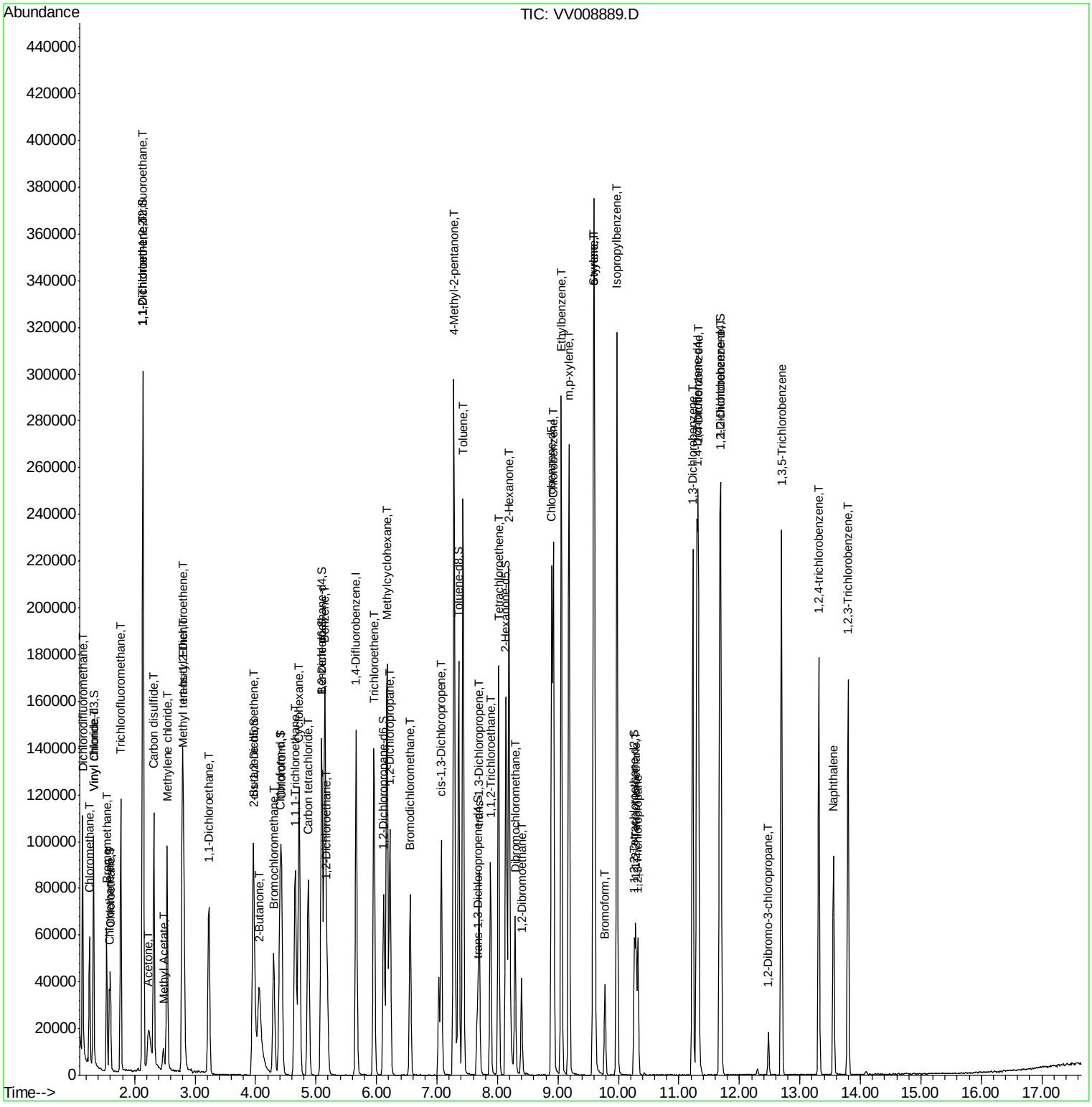
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV121018\

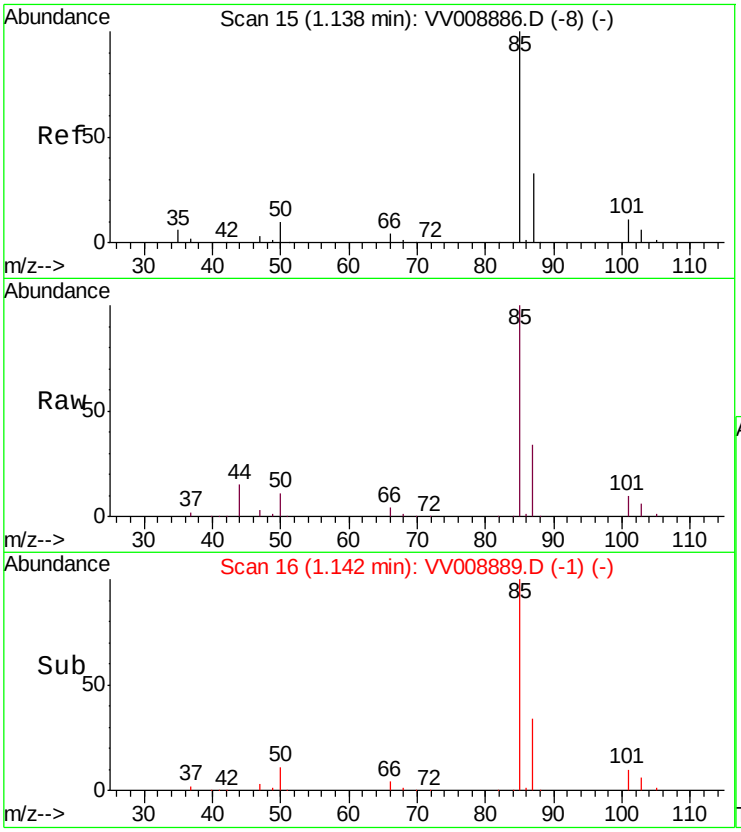
Quantitation Report (Not Reviewed)

Data File : VV008889.D
Acq On : 10 Dec 2018 15:31
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00574

Quant Time: Dec 11 03:24:34 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR120518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 11 03:21:37 2018
Response via : Initial Calibration



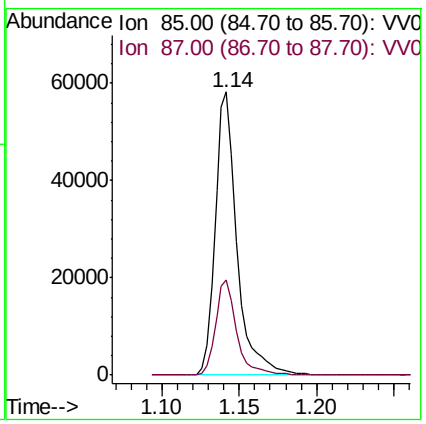


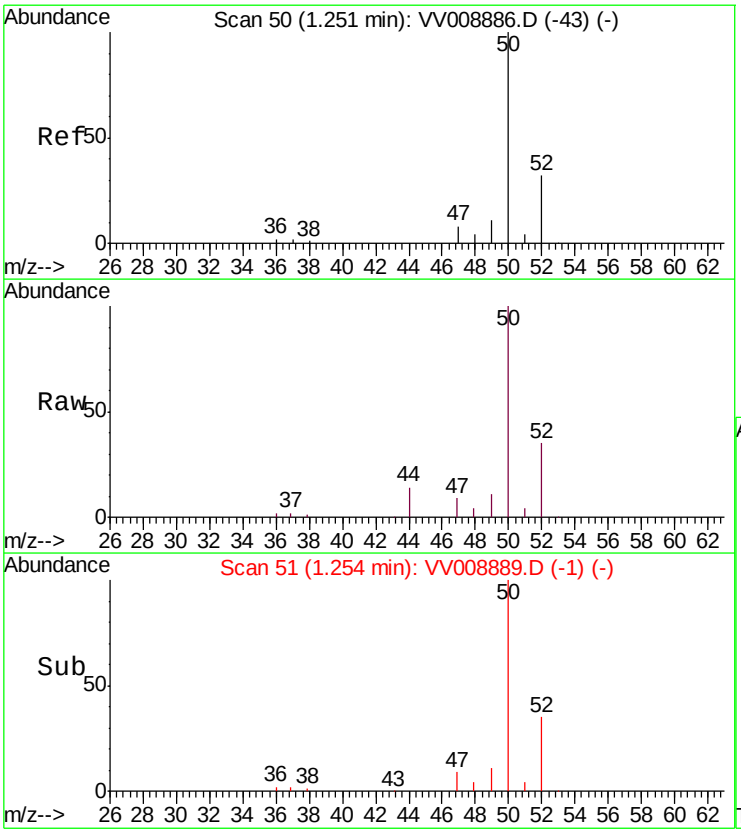

#2
Dichlorodifluoromethane
Concen: 4.750 ug/L
RT: 1.14 min Scan# 16
Delta R.T. 0.00 min
Lab File: VV008889.D
Acq: 10 Dec 2018 15:31

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00574

Tgt Ion: 85 Resp: 57393

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.6 | 26.3 | 39.5 |

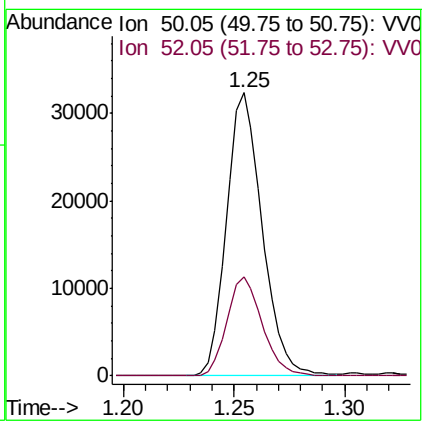


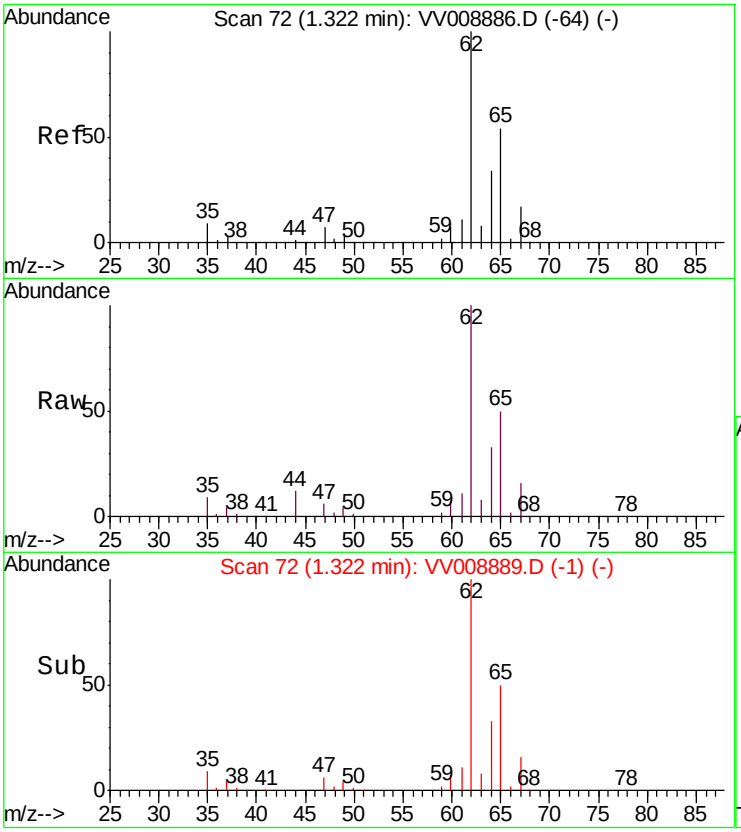




#3
Chloromethane
Concen: 4.552 ug/L
RT: 1.25 min Scan# 51
Delta R.T. 0.00 min
Lab File: VV008889.D
Acq: 10 Dec 2018 15:31

Tgt Ion: 50 Resp: 36437

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 35.1 | 23.9 | 44.5 |



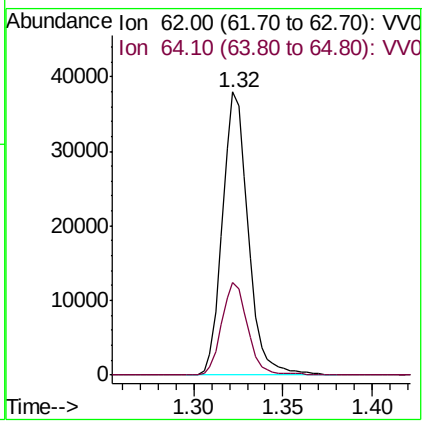


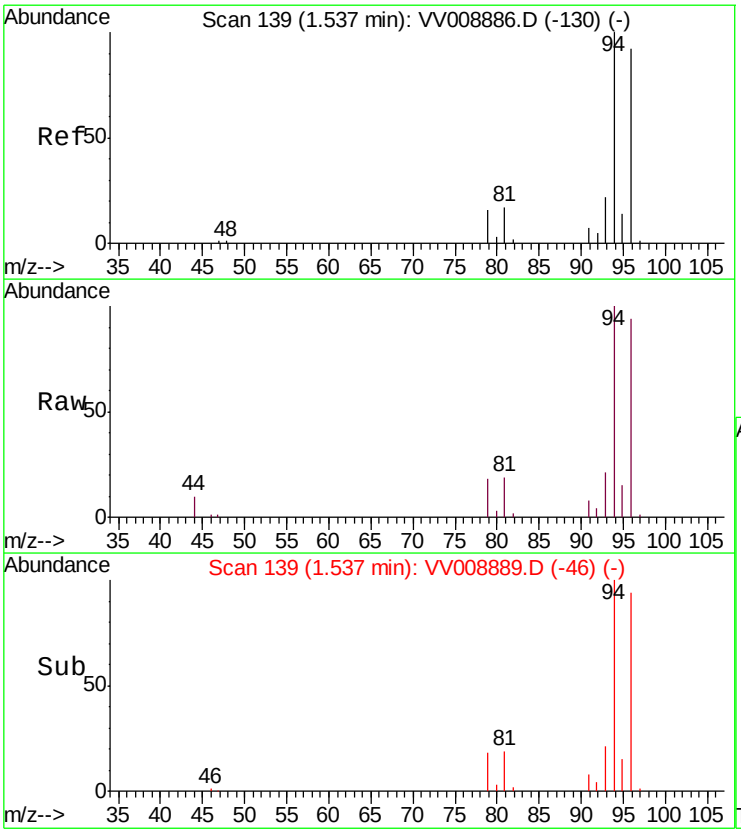

#5
Vinyl chloride
Concen: 4.667 ug/L
RT: 1.32 min Scan# 72
Delta R.T. 0.00 min
Lab File: VV008889.D
Acq: 10 Dec 2018 15:31

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00574

Tgt Ion: 62 Resp: 38066

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.6 | 23.9 | 44.3 |

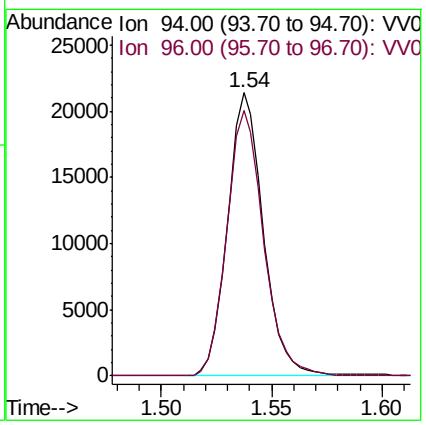


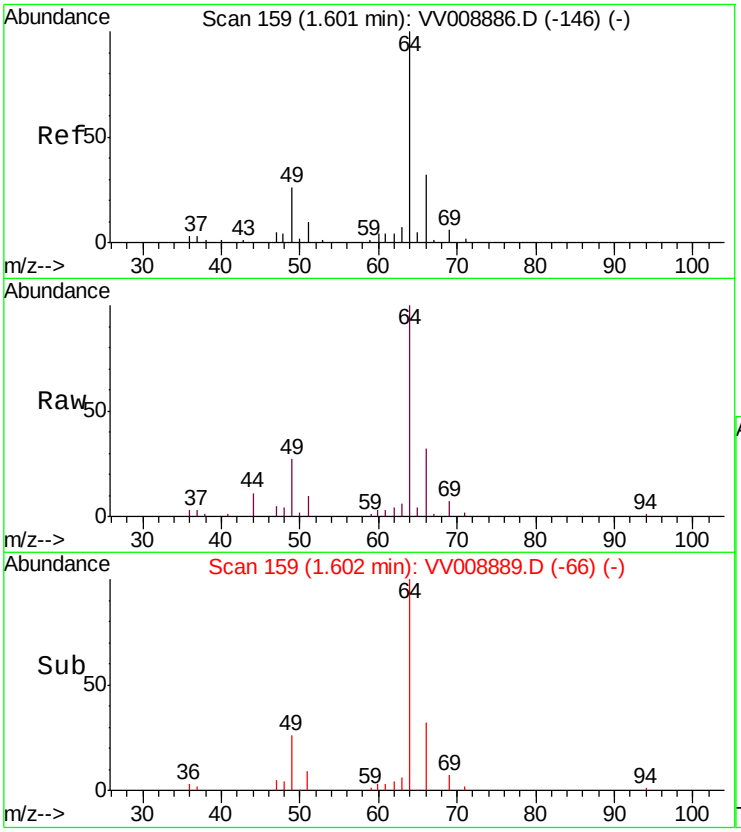




#6
Bromomethane
Concen: 5.028 ug/L
RT: 1.54 min Scan# 139
Delta R.T. 0.00 min
Lab File: VV008889.D
Acq: 10 Dec 2018 15:31

Tgt Ion: 94 Resp: 24042

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 93.6 | 67.0 | 124.4 |



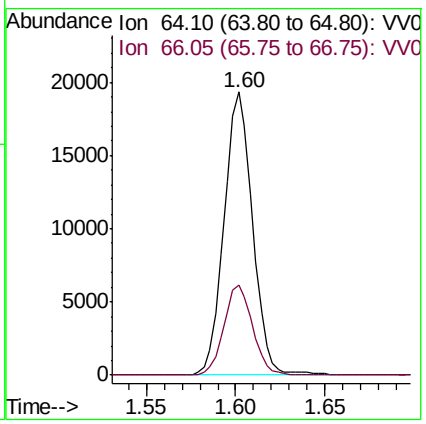


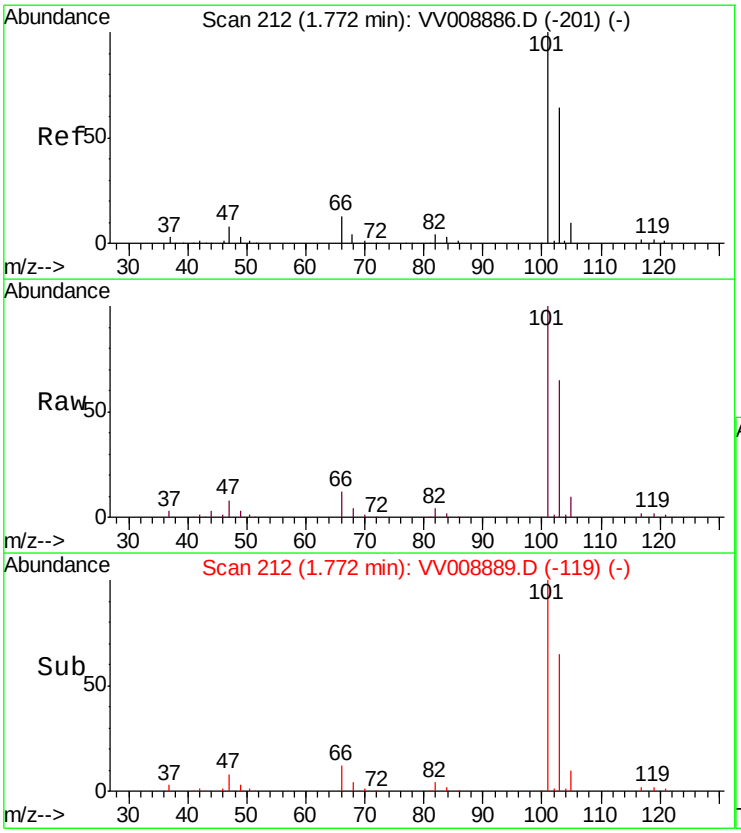

#8
Chloroethane
Concen: 4.675 ug/L
RT: 1.60 min Scan# 159
Delta R.T. 0.00 min
Lab File: VV008889.D
Acq: 10 Dec 2018 15:31

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00574

Tgt Ion: 64 Resp: 21422

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 31.8 | 23.4 | 43.6 |

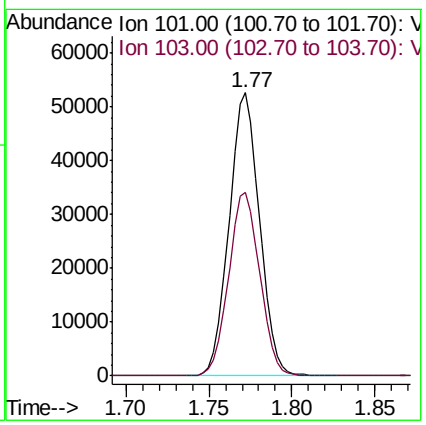


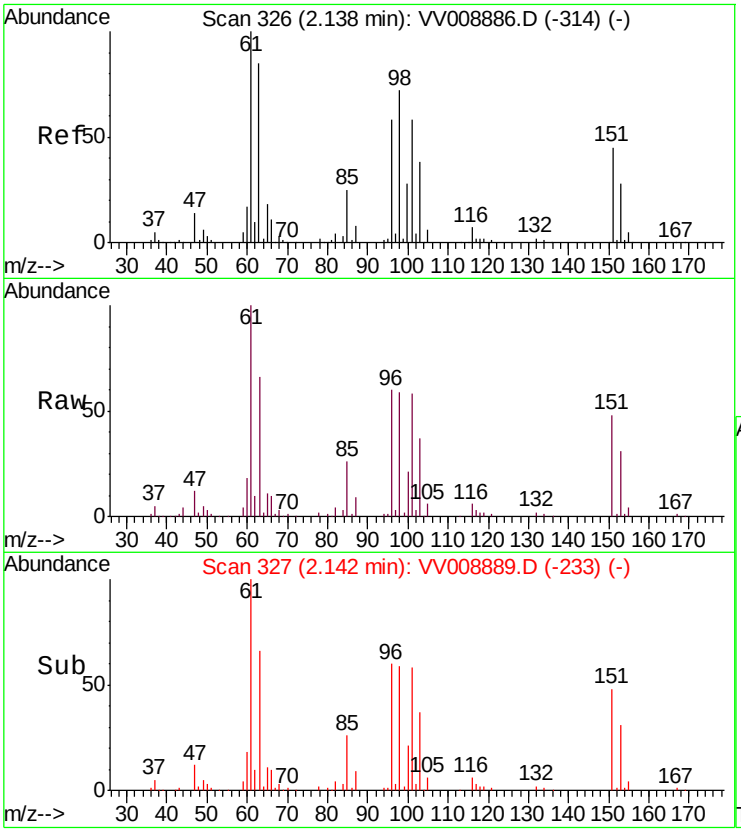




#9
Trichlorofluoromethane
Concen: 5.114 ug/L
RT: 1.77 min Scan# 212
Delta R.T. 0.00 min
Lab File: VV008889.D
Acq: 10 Dec 2018 15:31

Tgt Ion:101 Resp: 67222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 66.5 | 52.5 | 78.7 |



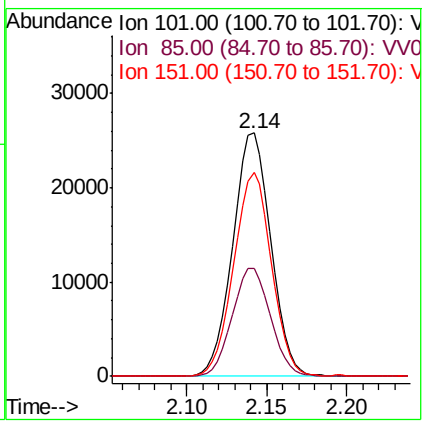


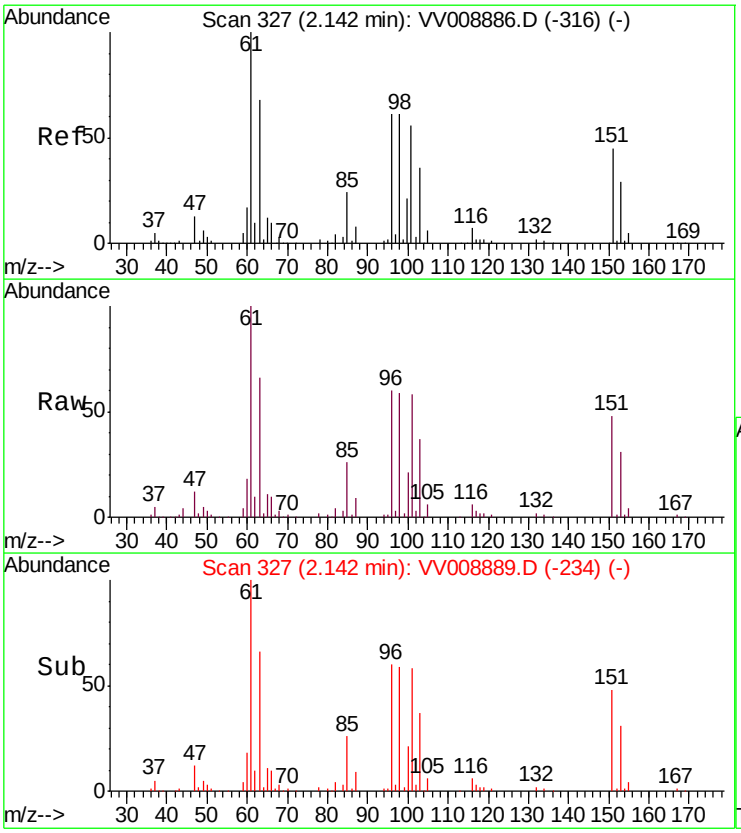

#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.847 ug/L
RT: 2.14 min Scan# 327
Delta R.T. 0.00 min
Lab File: VV008889.D
Acq: 10 Dec 2018 15:31

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00574

Tgt Ion:101 Resp: 41821

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 44.3 | 35.0 | 52.6 |
| 151 | 82.9 | 65.1 | 97.7 |

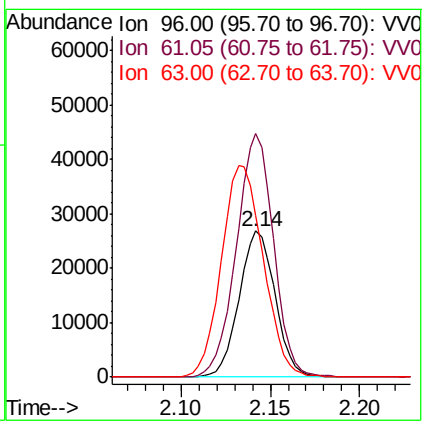


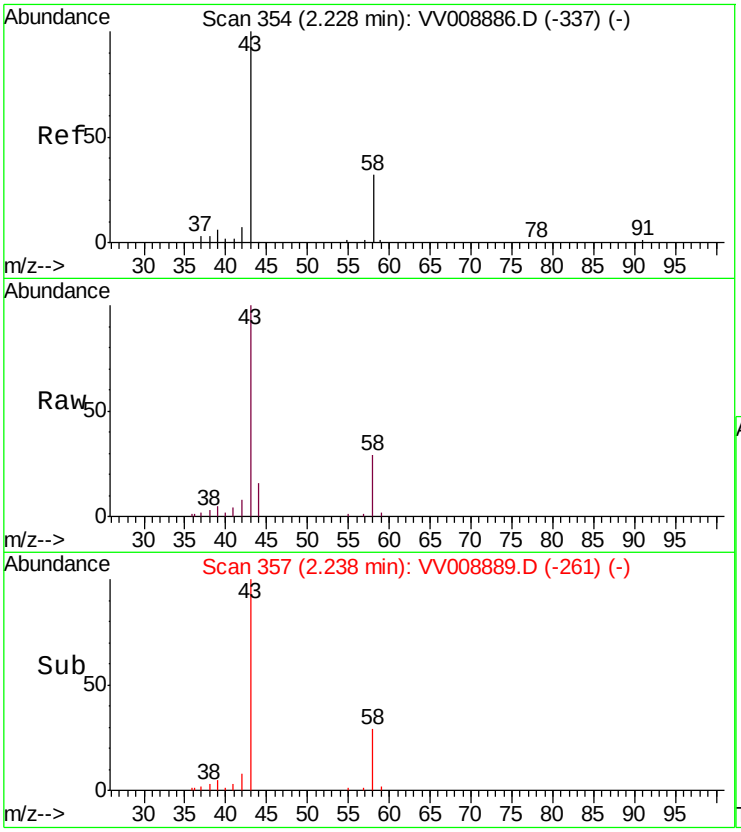




#12
1,1-Dichloroethene
Concen: 6.043 ug/L
RT: 2.14 min Scan# 327
Delta R.T. 0.00 min
Lab File: VV008889.D
Acq: 10 Dec 2018 15:31

Tgt Ion: 96 Resp: 37656

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 166.9 | 120.8 | 224.4 |
| 63 | 110.6 | 85.0 | 158.0 |



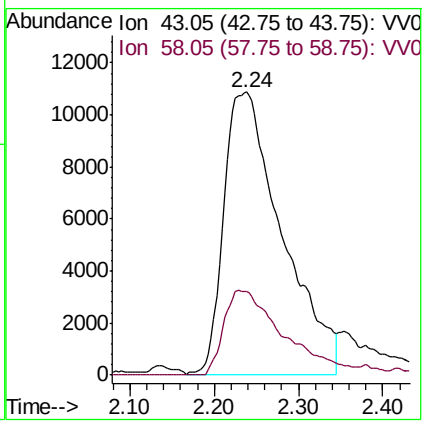


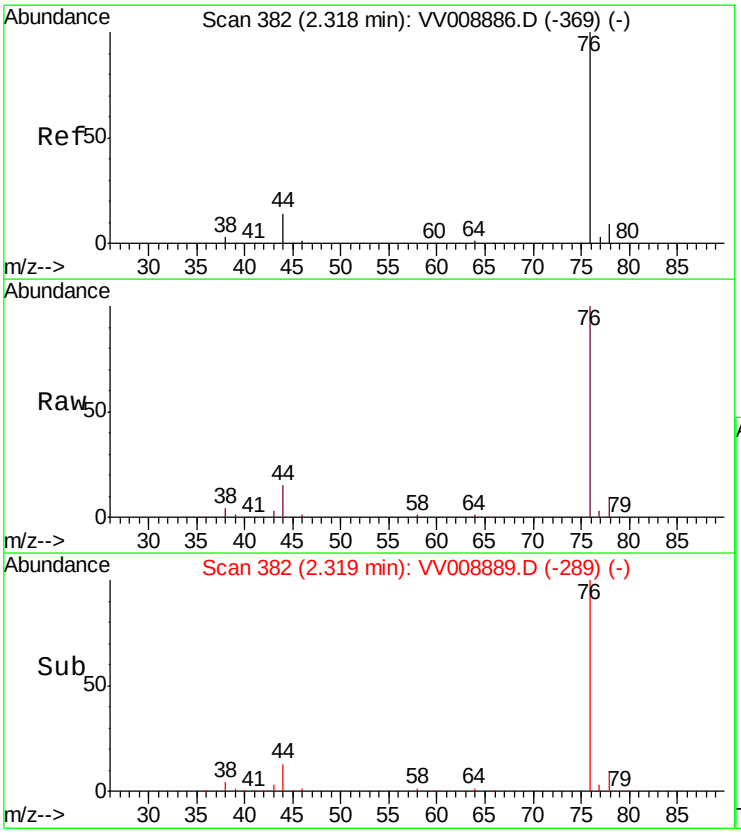

#13
Acetone
Concen: 56.042 ug/L
RT: 2.24 min Scan# 357
Delta R.T. 0.01 min
Lab File: VV008889.D
Acq: 10 Dec 2018 15:31

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00574

Tgt Ion: 43 Resp: 52255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 30.9 | 0.0 | 52.4 |

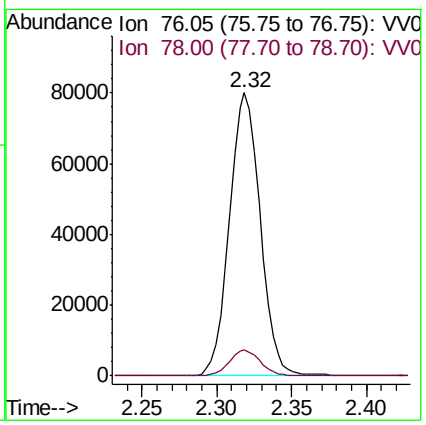


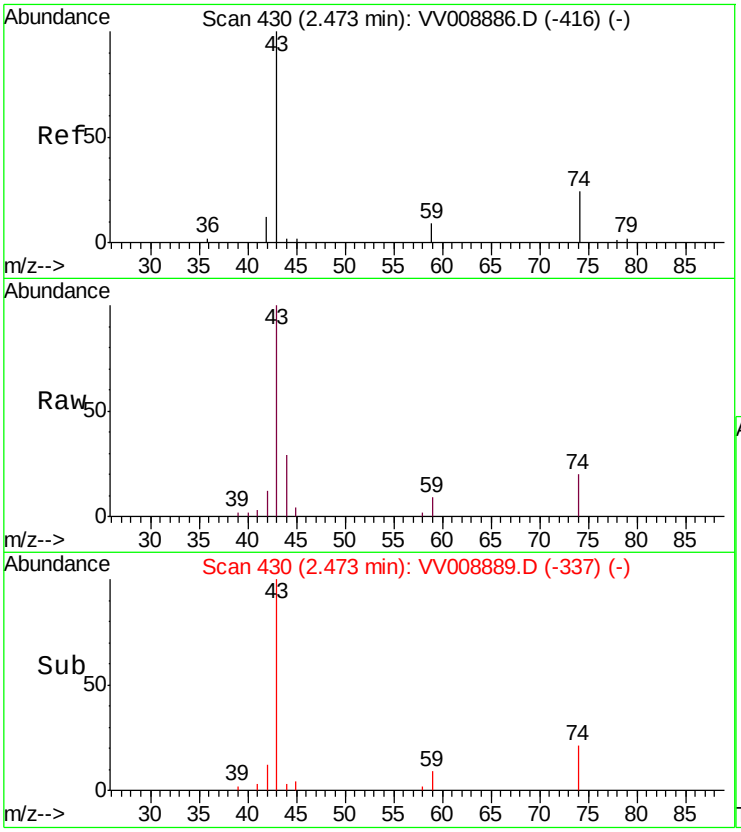




#14
Carbon disulfide
Concen: 6.133 ug/L
RT: 2.32 min Scan# 382
Delta R.T. 0.00 min
Lab File: VV008889.D
Acq: 10 Dec 2018 15:31

Tgt Ion: 76 Resp: 115004

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.0 | 8.0 | 12.0 |



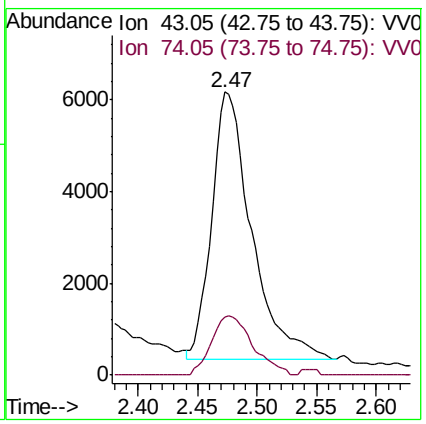


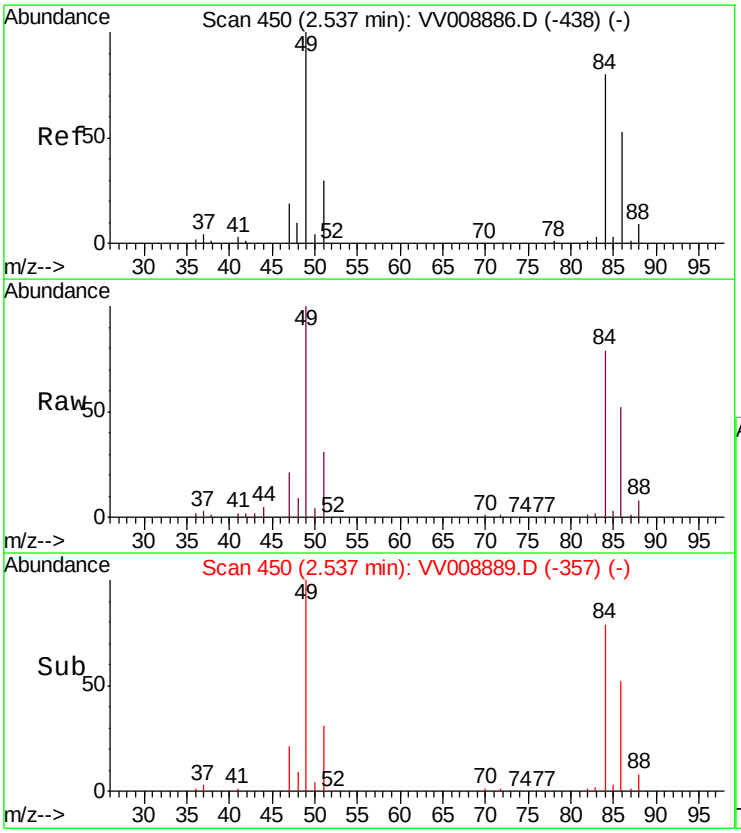

#15
Methyl Acetate
Concen: 6.580 ug/L
RT: 2.47 min Scan# 430
Delta R.T. 0.00 min
Lab File: VV008889.D
Acq: 10 Dec 2018 15:31

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00574

Tgt Ion: 43 Resp: 13552

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 22.8 | 21.8 | 32.6 |

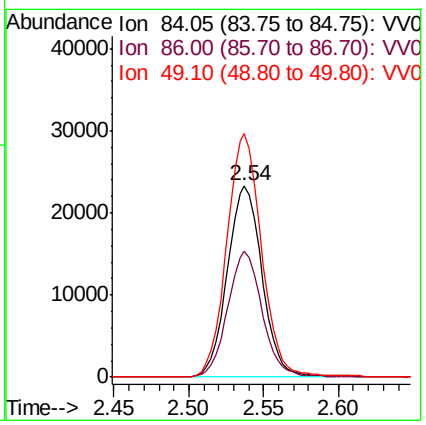


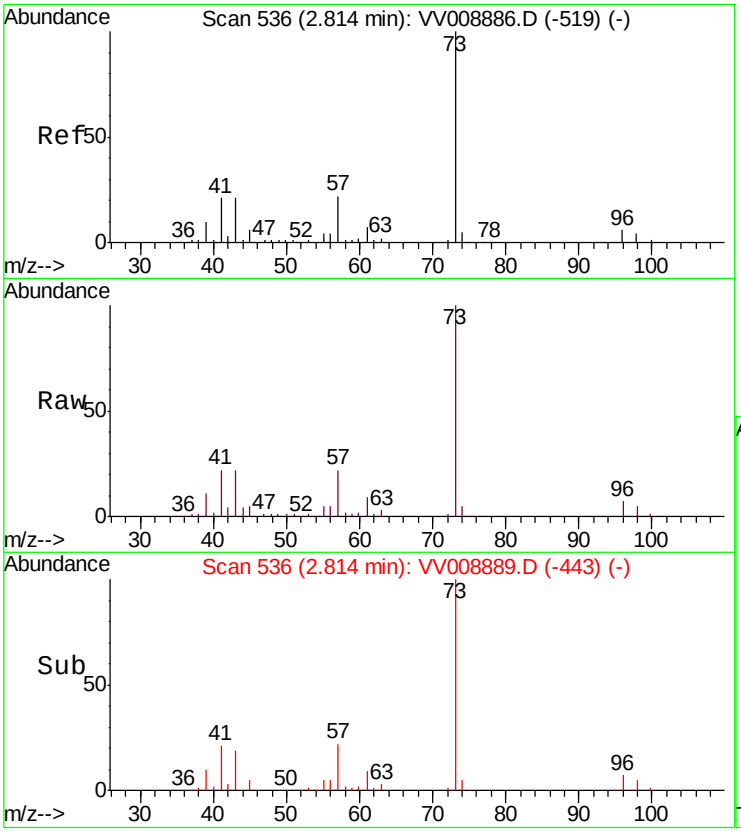




#16
Methylene chloride
Concen: 5.610 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV008889.D
Acq: 10 Dec 2018 15:31

Tgt Ion: 84 Resp: 37757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 65.9 | 46.7 | 86.7 |
| 49 | 127.0 | 84.8 | 157.4 |



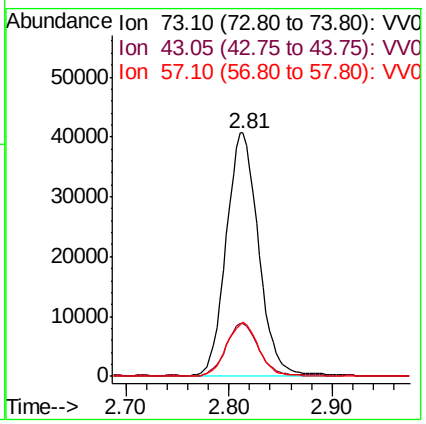


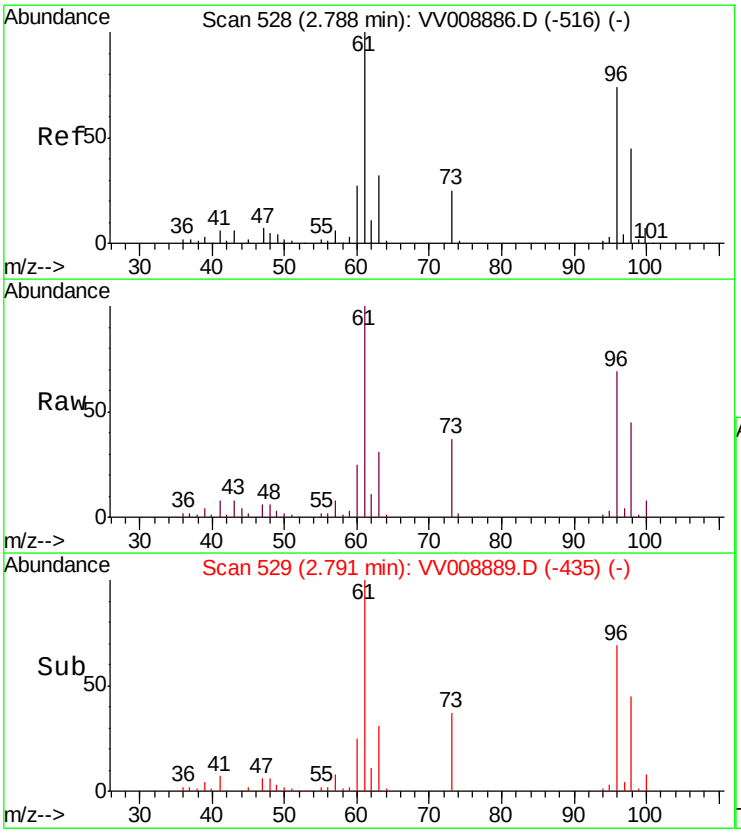

#17
Methyl tert-butyl Ether
Concen: 5.838 ug/L
RT: 2.81 min Scan# 536
Delta R.T. 0.00 min
Lab File: VV008889.D
Acq: 10 Dec 2018 15:31

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00574

Tgt Ion: 73 Resp: 89323

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 43 | 21.4 | 17.3 | 25.9 |
| 57 | 21.9 | 16.8 | 25.2 |

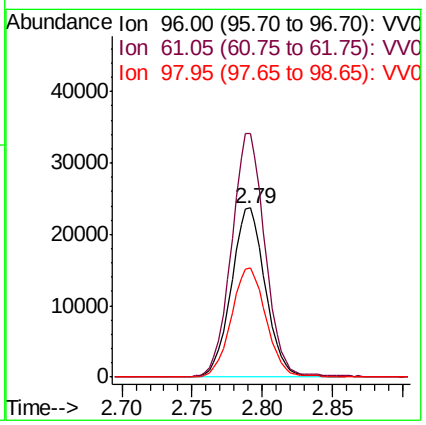


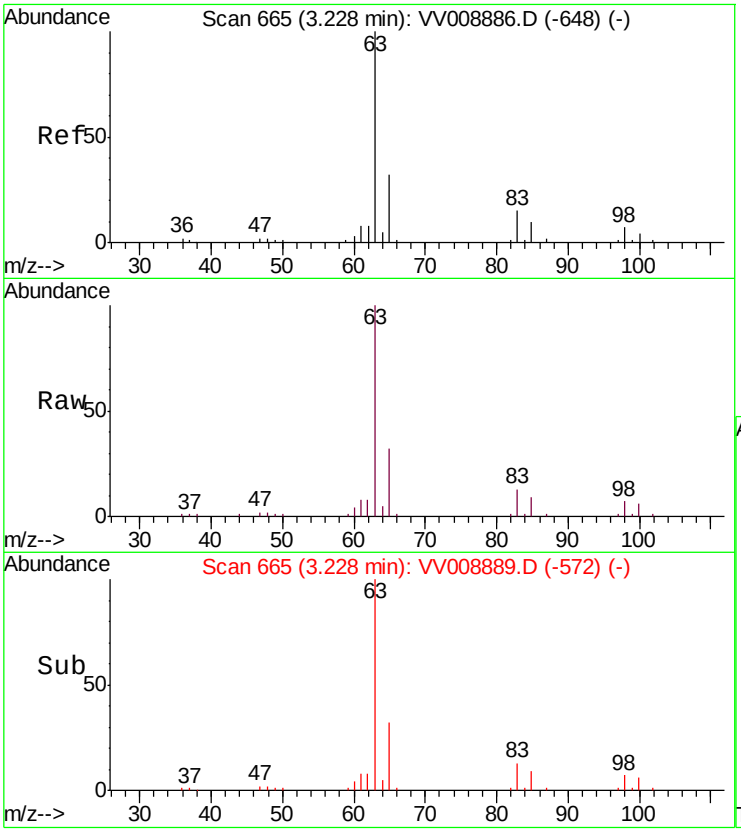




#18
trans-1,2-Dichloroethene
Concen: 5.875 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV008889.D
Acq: 10 Dec 2018 15:31

Tgt Ion: 96 Resp: 40017

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 144.0 | 103.0 | 191.4 |
| 98 | 64.4 | 48.9 | 90.9 |



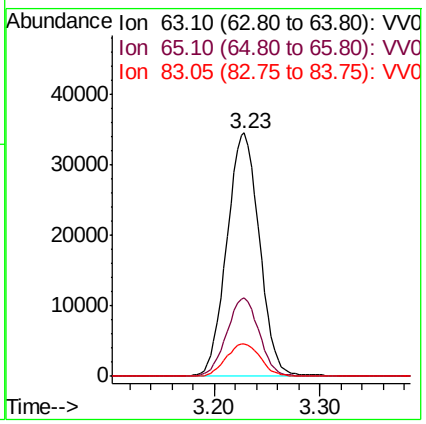


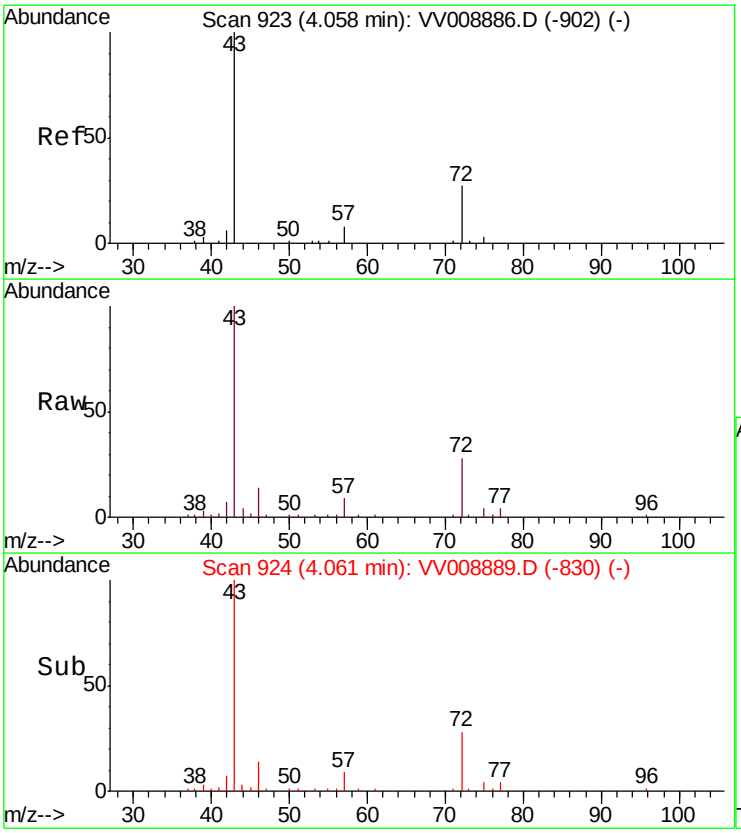

#19
1,1-Dichloroethane
Concen: 4.966 ug/L
RT: 3.23 min Scan# 665
Delta R.T. 0.00 min
Lab File: VV008889.D
Acq: 10 Dec 2018 15:31

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00574

Tgt Ion: 63 Resp: 73922

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 32.4 | 22.0 | 40.8 |
| 83 | 13.5 | 10.1 | 18.7 |

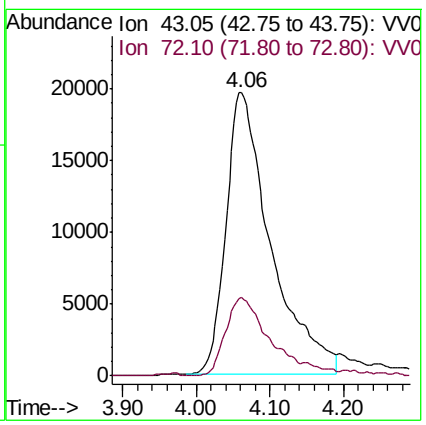


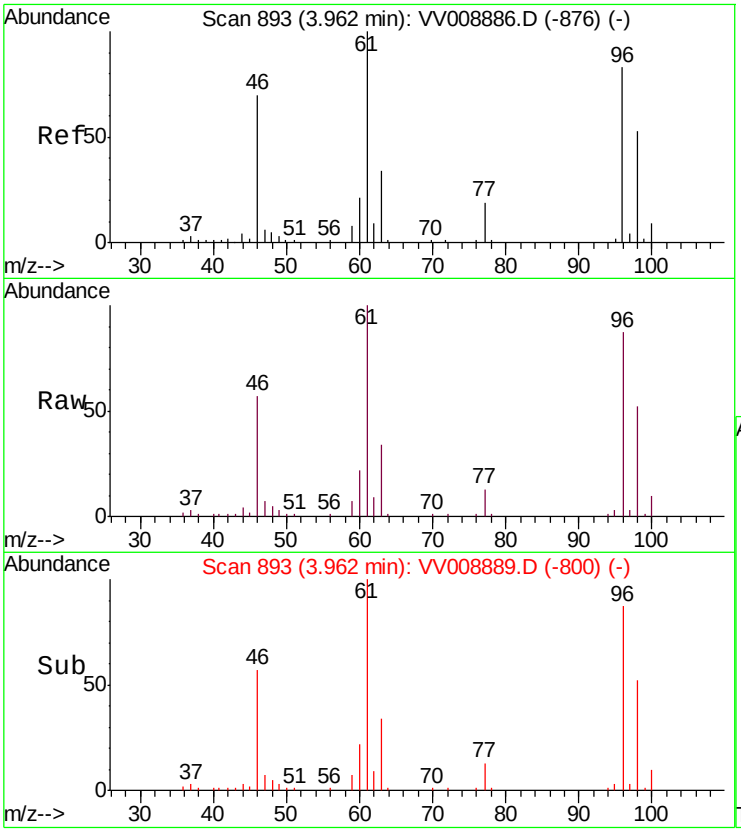




#21
2-Butanone
Concen: 47.256 ug/L
RT: 4.06 min Scan# 924
Delta R.T. 0.00 min
Lab File: VV008889.D
Acq: 10 Dec 2018 15:31

Tgt Ion: 43 Resp: 82750

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 26.1 | 13.7 | 41.1 |



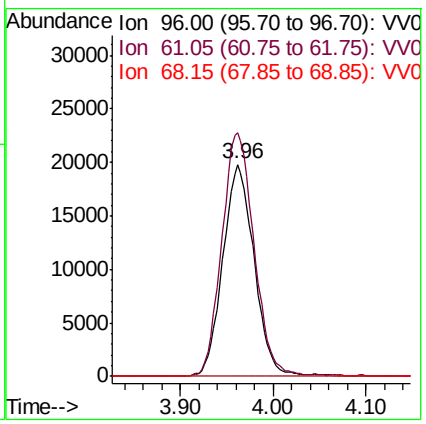


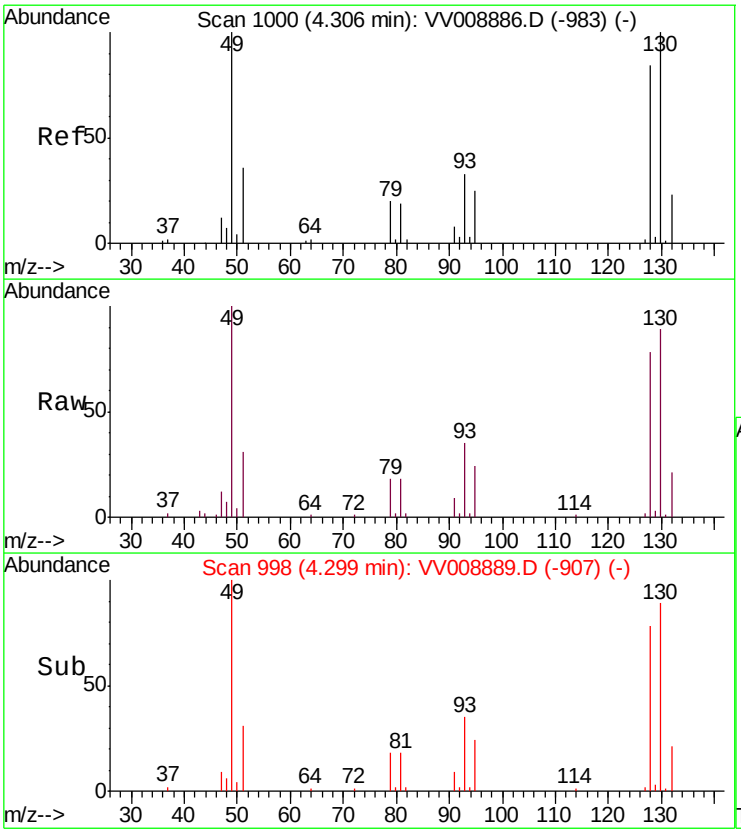

#22
cis-1,2-Dichloroethene
Concen: 4.980 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.00 min
Lab File: VV008889.D
Acq: 10 Dec 2018 15:31

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00574

Tgt Ion: 96 Resp: 46433

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 115.0 | 83.2 | 154.6 |
| 68 | 0.0 | 0.0 | 0.0 |

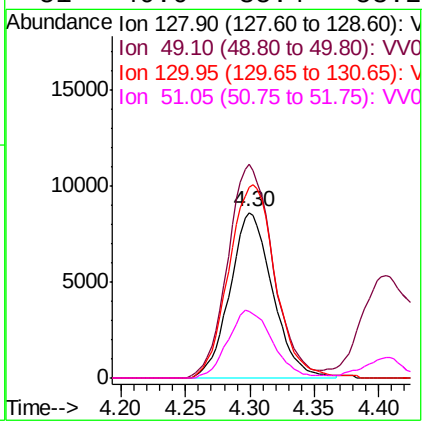


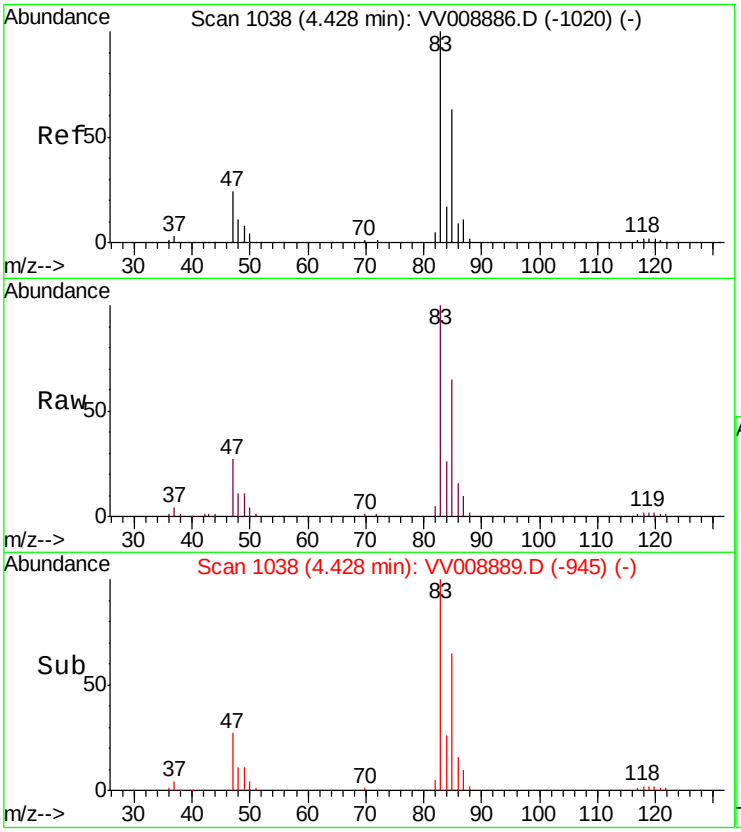




#23
Bromochloromethane
Concen: 5.015 ug/L
RT: 4.30 min Scan# 998
Delta R.T. -0.01 min
Lab File: VV008889.D
Acq: 10 Dec 2018 15:31

Tgt Ion:128 Resp: 19777

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 49 | 128.8 | 98.1 | 182.3 |
| 130 | 114.9 | 84.2 | 156.4 |
| 51 | 40.0 | 35.4 | 53.2 |



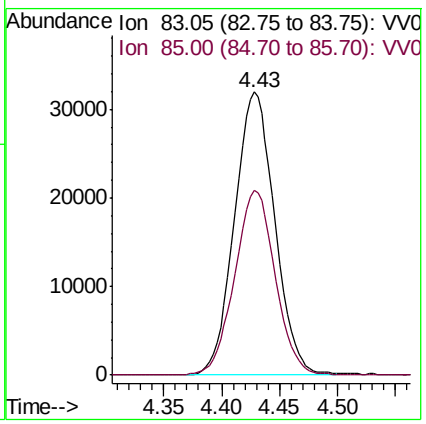


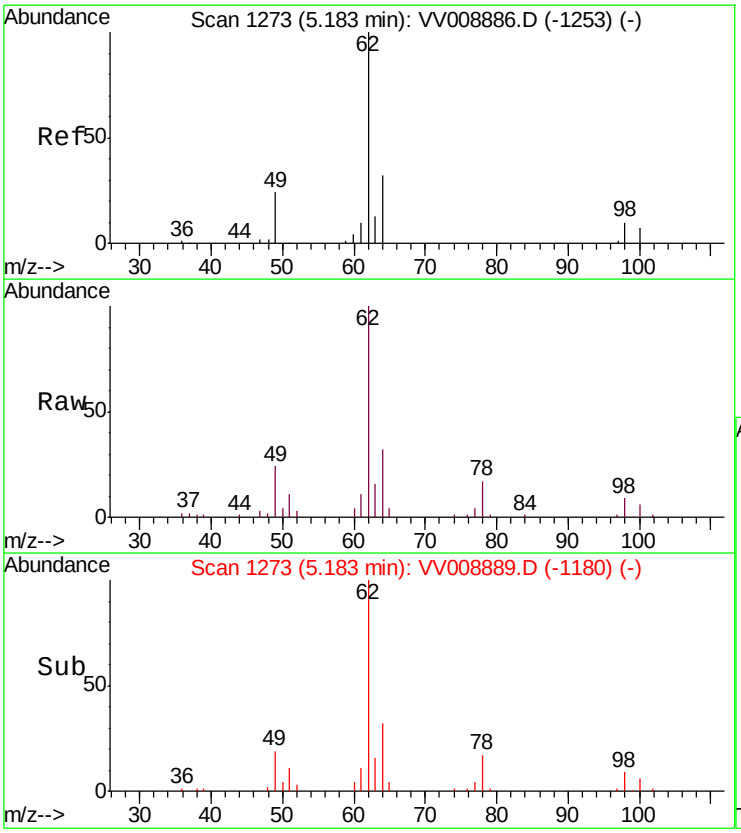

#25
Chloroform
Concen: 4.787 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV008889.D
Acq: 10 Dec 2018 15:31

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00574

Tgt Ion: 83 Resp: 77238

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.1 | 44.9 | 83.5 |

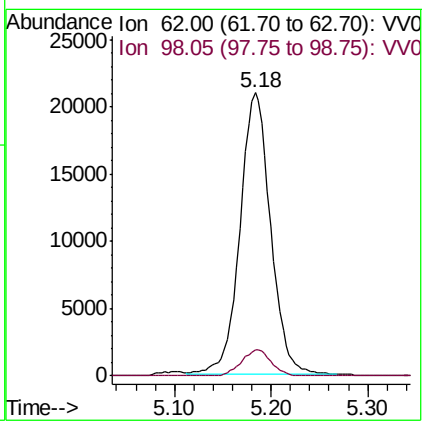


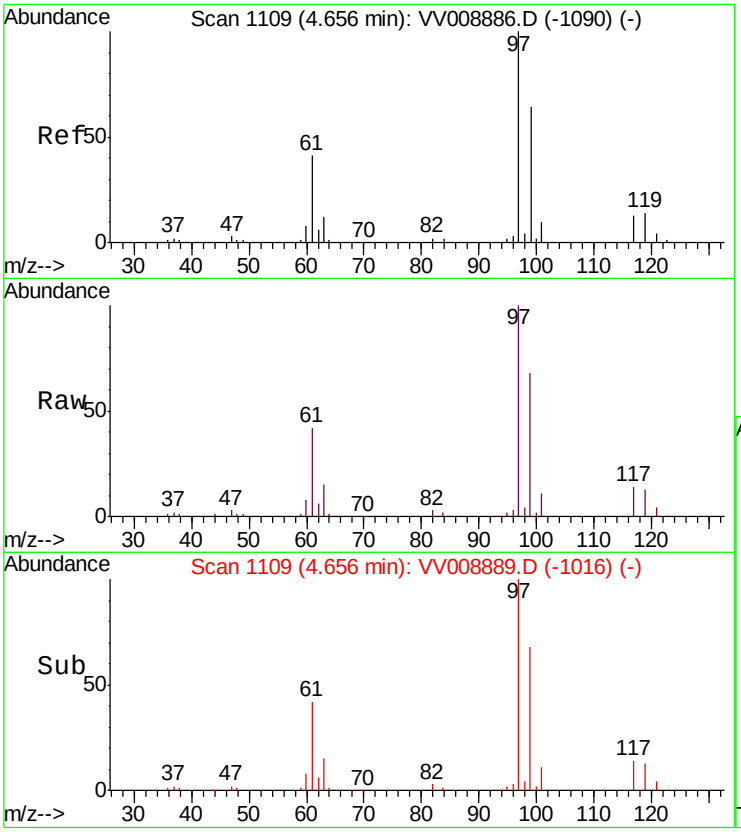




#27
1,2-Dichloroethane
Concen: 4.969 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VV008889.D
Acq: 10 Dec 2018 15:31

Tgt Ion: 62 Resp: 45756

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.1 | 7.3 | 10.9 |



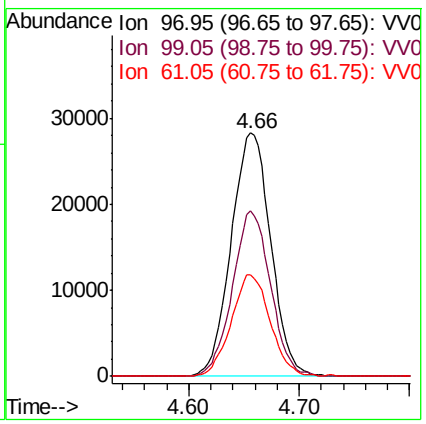


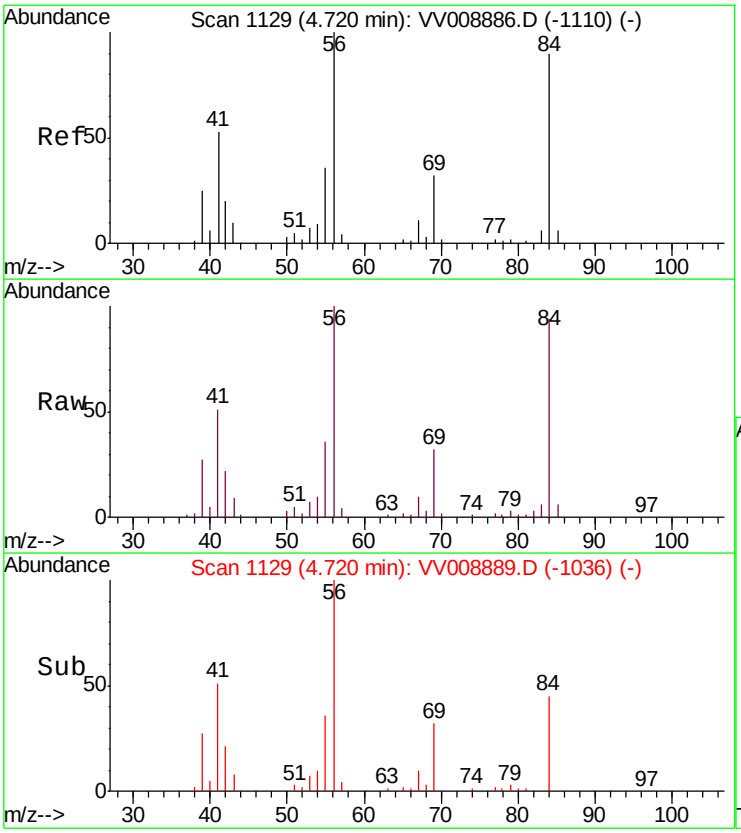

#29
1,1,1-Trichloroethane
Concen: 5.023 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. 0.00 min
Lab File: VV008889.D
Acq: 10 Dec 2018 15:31

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00574

Tgt Ion: 97 Resp: 70348

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 65.3 | 50.7 | 76.1 |
| 61 | 41.1 | 34.0 | 51.0 |

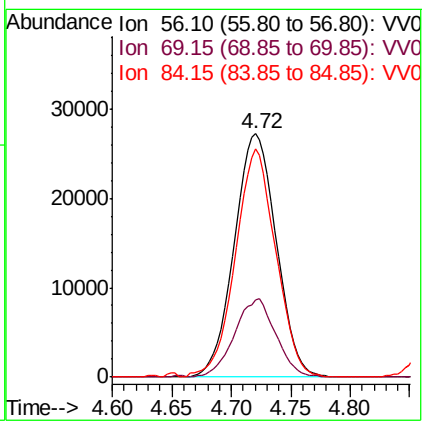


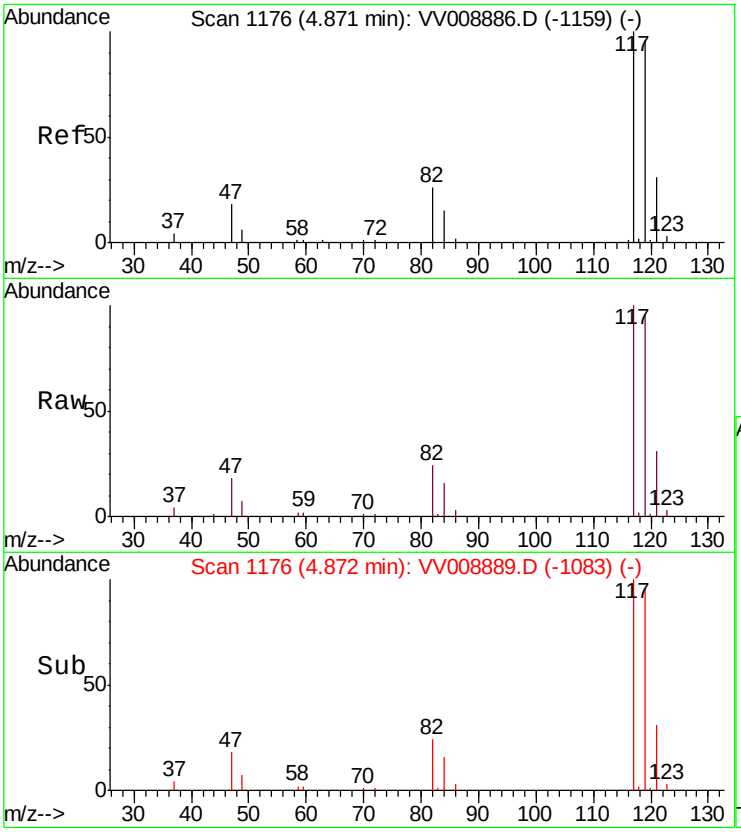




#30
Cyclohexane
Concen: 4.953 ug/L
RT: 4.72 min Scan# 1129
Delta R.T. 0.00 min
Lab File: VV008889.D
Acq: 10 Dec 2018 15:31

Tgt Ion: 56 Resp: 66669

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 31.6 | 25.4 | 38.2 |
| 84 | 90.0 | 72.2 | 108.2 |



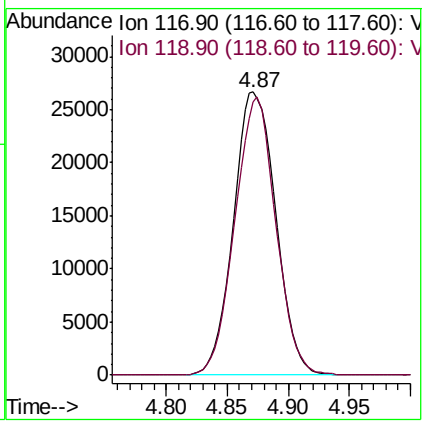


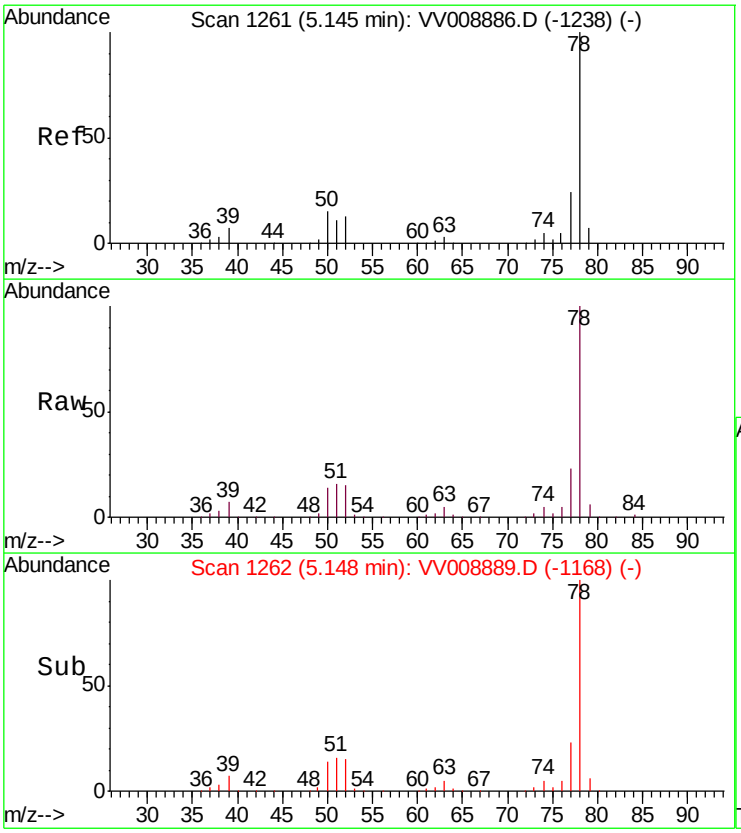

#31
Carbon tetrachloride
Concen: 5.073 ug/L
RT: 4.87 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VV008889.D
Acq: 10 Dec 2018 15:31

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00574

Tgt Ion:117 Resp: 63948

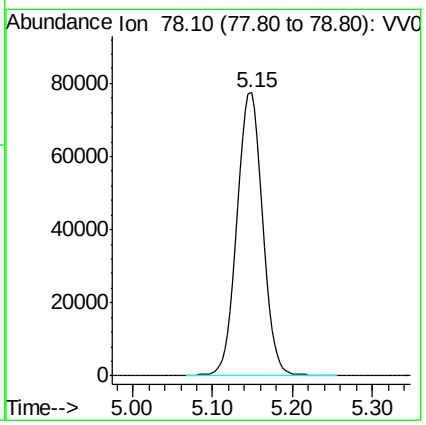
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.9 | 77.1 | 115.7 |

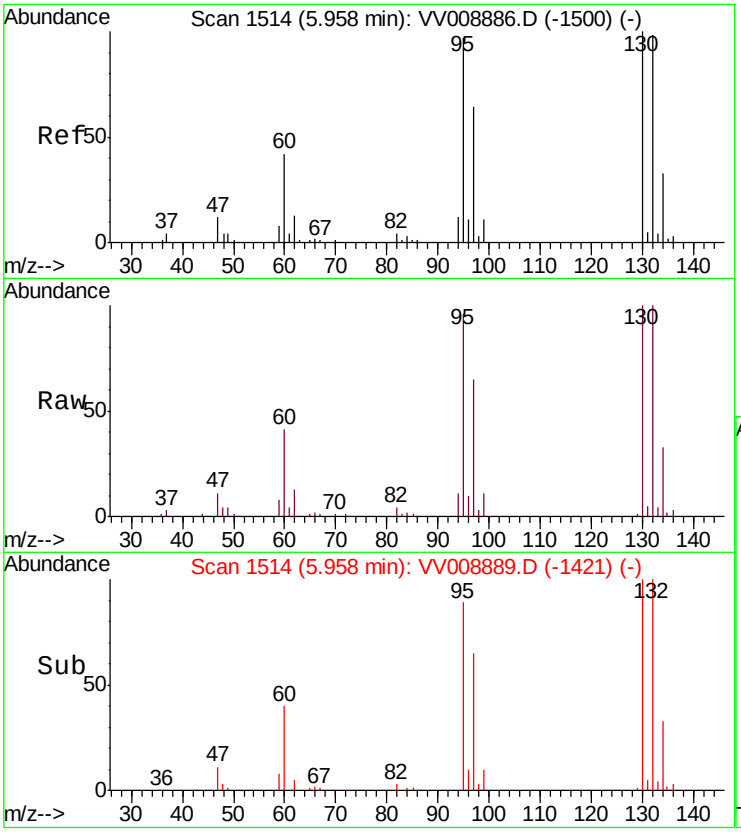



#33
Benzene
Concen: 4.978 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VV008889.D
Acq: 10 Dec 2018 15:31

Tgt Ion: 78 Resp: 167365



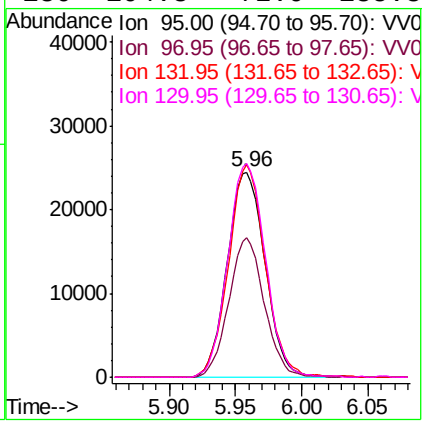


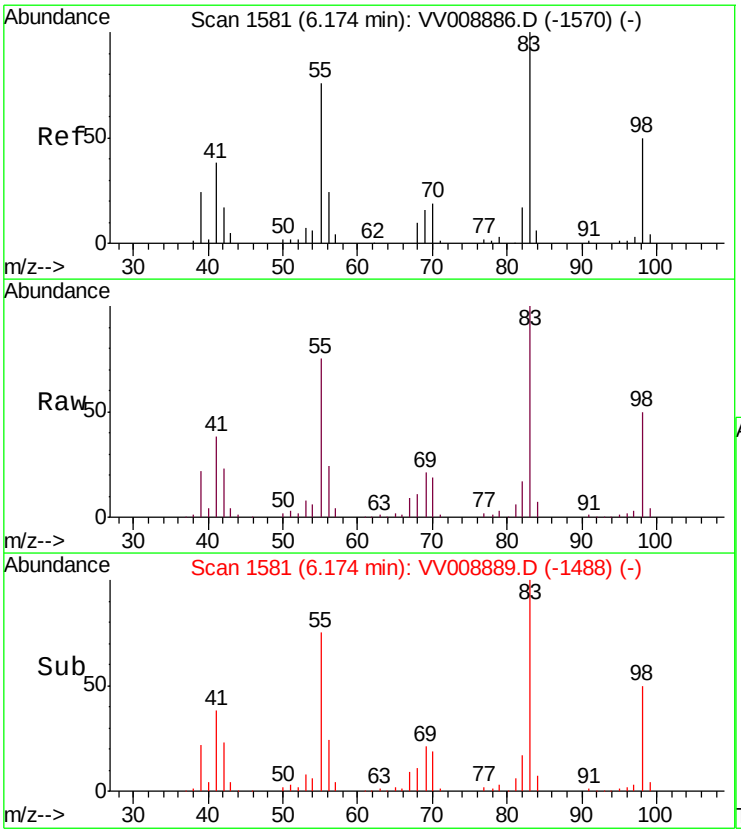

#34
Trichloroethene
Concen: 4.966 ug/L
RT: 5.96 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VV008889.D
Acq: 10 Dec 2018 15:31

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00574

Tgt Ion: 95 Resp: 48562

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 68.2 | 44.4 | 82.5 |
| 132 | 103.8 | 70.7 | 131.3 |
| 130 | 104.3 | 72.9 | 135.3 |

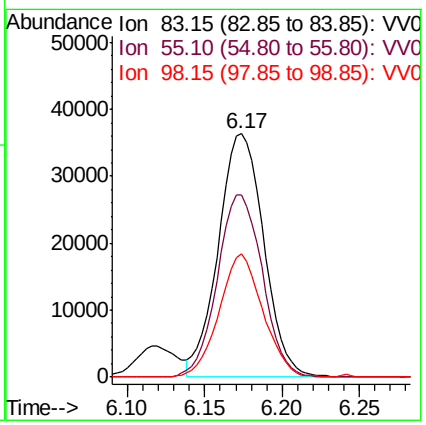


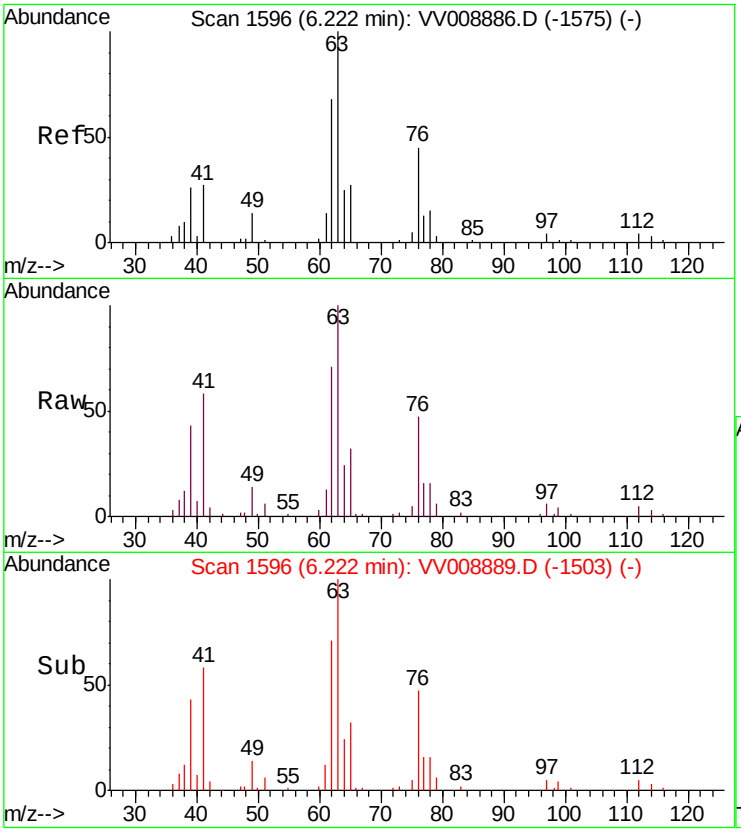




#35
Methylcyclohexane
Concen: 4.804 ug/L
RT: 6.17 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VV008889.D
Acq: 10 Dec 2018 15:31

Tgt Ion: 83 Resp: 74318

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 74.0 | 60.0 | 90.0 |
| 98 | 48.6 | 39.0 | 58.6 |



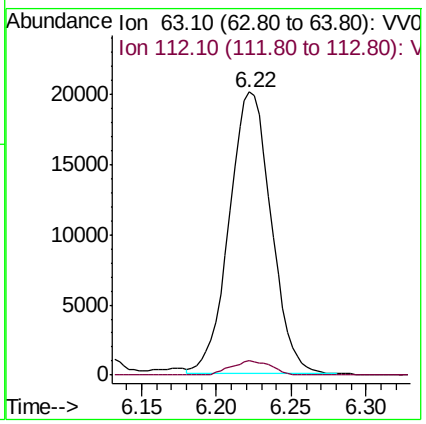


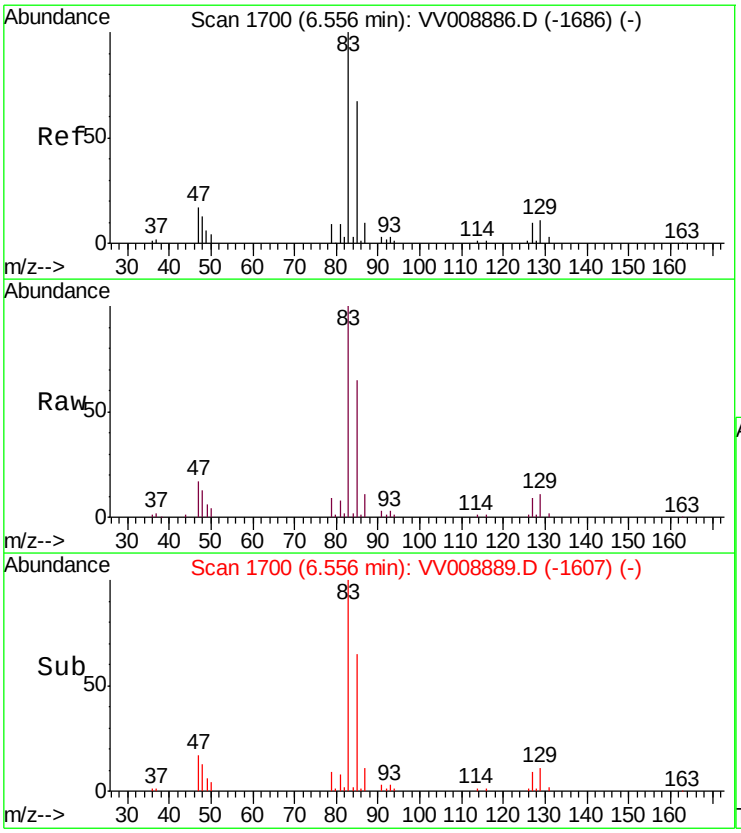

#37
1,2-Dichloropropane
Concen: 4.758 ug/L
RT: 6.22 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VV008889.D
Acq: 10 Dec 2018 15:31

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00574

Tgt Ion: 63 Resp: 39204

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 4.8 | 3.5 | 5.3 |

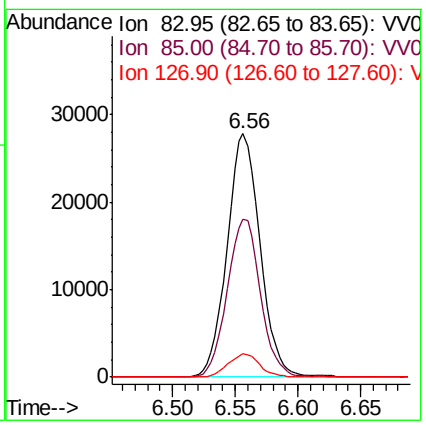


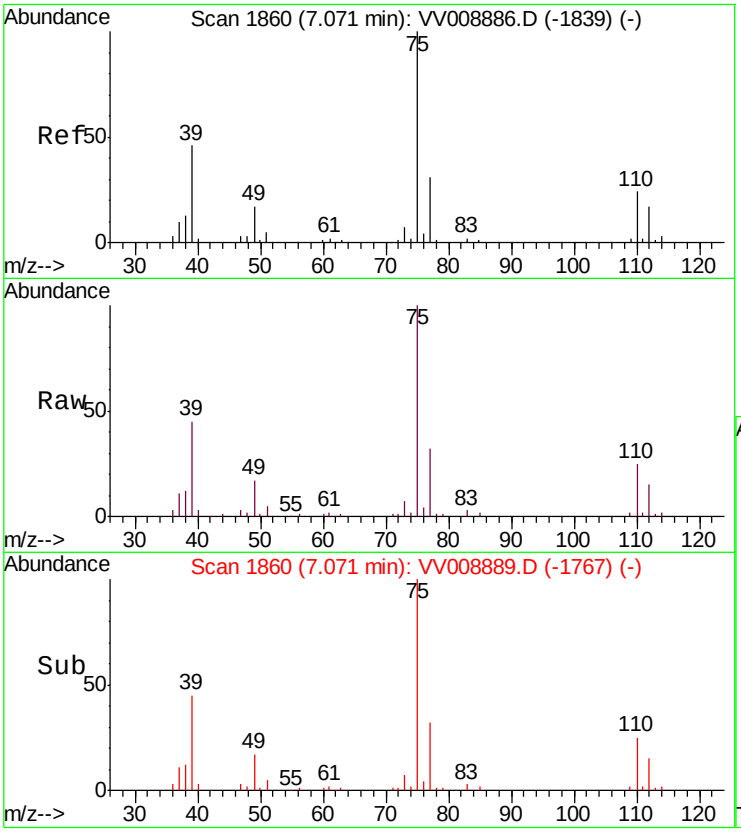




#38
Bromodichloromethane
Concen: 5.025 ug/L
RT: 6.56 min Scan# 1700
Delta R.T. 0.00 min
Lab File: VV008889.D
Acq: 10 Dec 2018 15:31

Tgt Ion: 83 Resp: 50959

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.0 | 44.2 | 82.0 |
| 127 | 9.4 | 7.5 | 11.3 |



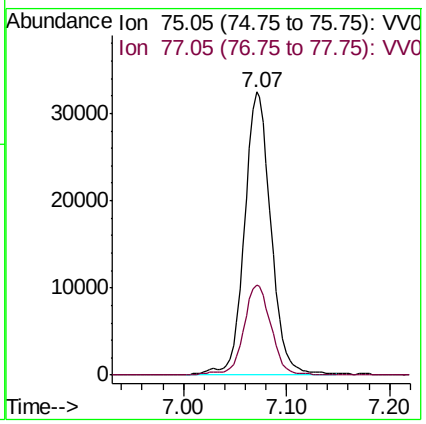


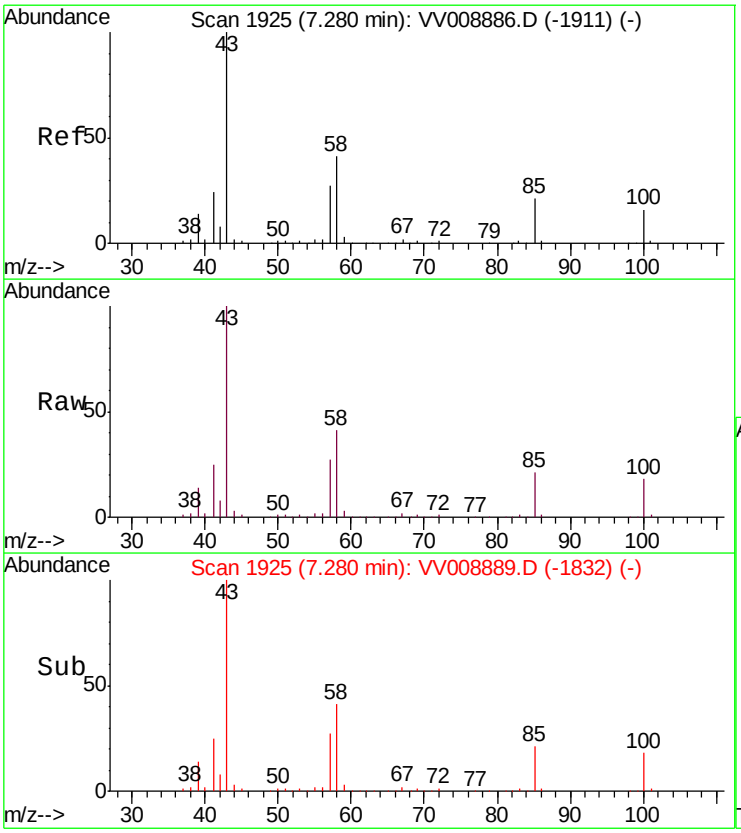

#39
cis-1,3-Dichloropropene
Concen: 5.009 ug/L
RT: 7.07 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VV008889.D
Acq: 10 Dec 2018 15:31

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00574

Tgt Ion: 75 Resp: 57834

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.0 | 22.3 | 41.3 |

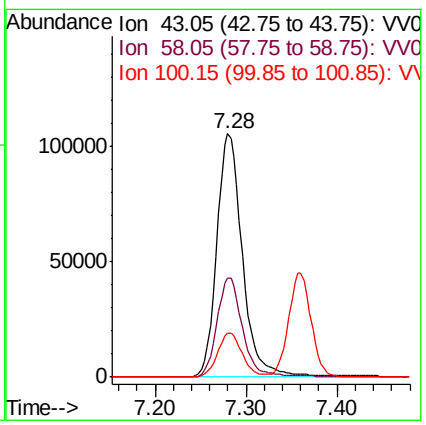


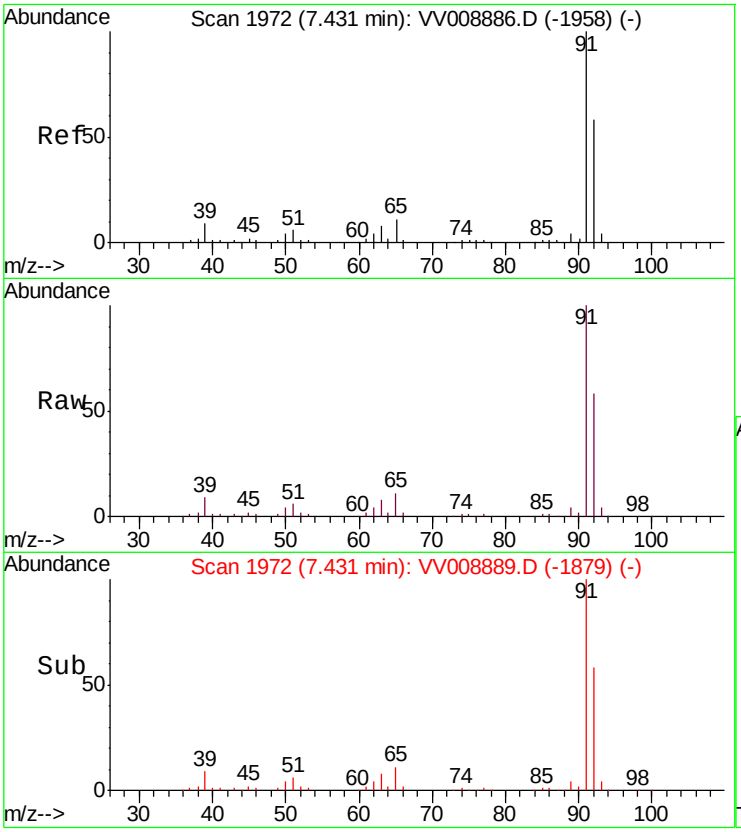




#40
4-Methyl-2-pentanone
Concen: 49.414 ug/L
RT: 7.28 min Scan# 1925
Delta R.T. 0.00 min
Lab File: VV008889.D
Acq: 10 Dec 2018 15:31

Tgt Ion: 43 Resp: 206536

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 40.2 | 32.6 | 48.8 |
| 100 | 17.5 | 13.4 | 20.0 |



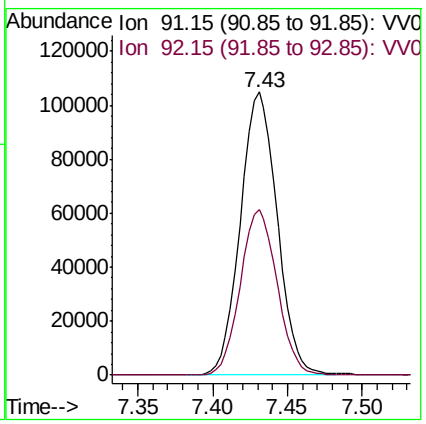


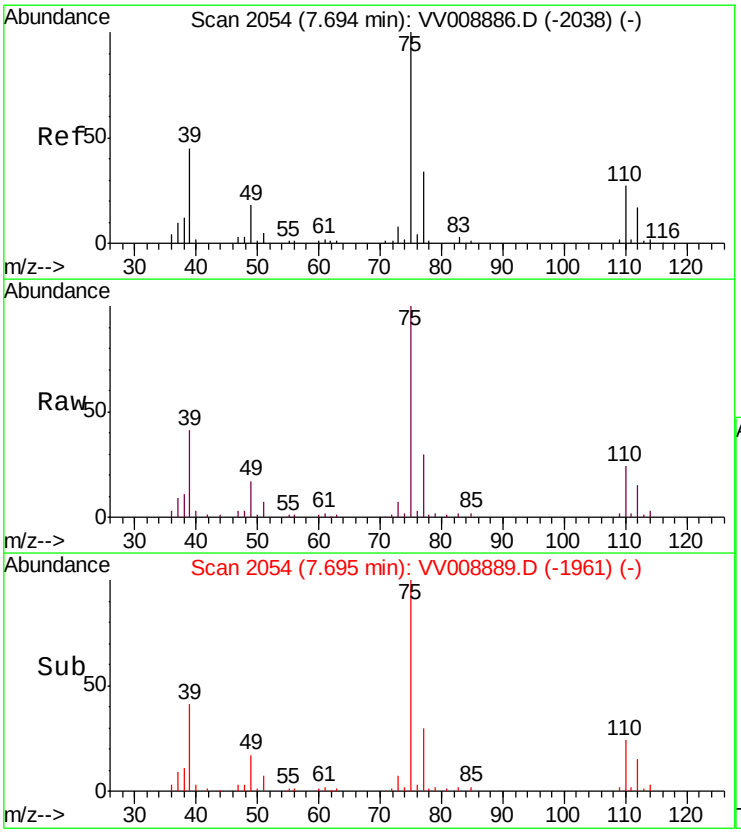

#42
Toluene
Concen: 4.964 ug/L
RT: 7.43 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VV008889.D
Acq: 10 Dec 2018 15:31

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00574

Tgt Ion: 91 Resp: 180145

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 58.3 | 40.9 | 76.0 |

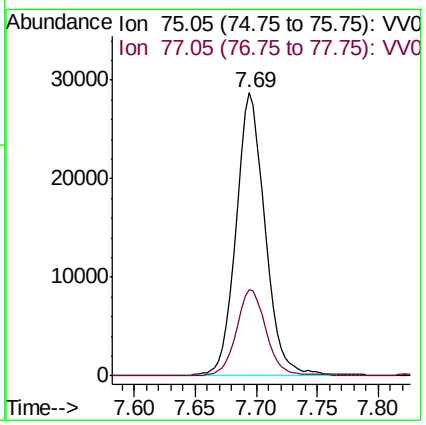


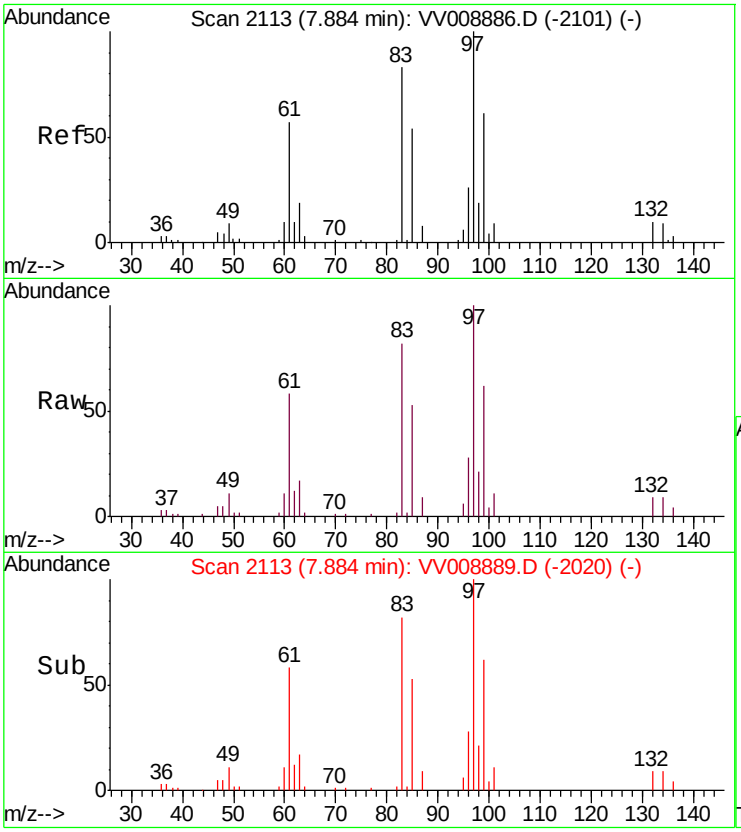




#44
trans-1,3-Dichloropropene
Concen: 5.263 ug/L
RT: 7.69 min Scan# 2054
Delta R.T. 0.00 min
Lab File: VV008889.D
Acq: 10 Dec 2018 15:31

Tgt Ion: 75 Resp: 47142

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.4 | 23.6 | 43.8 |



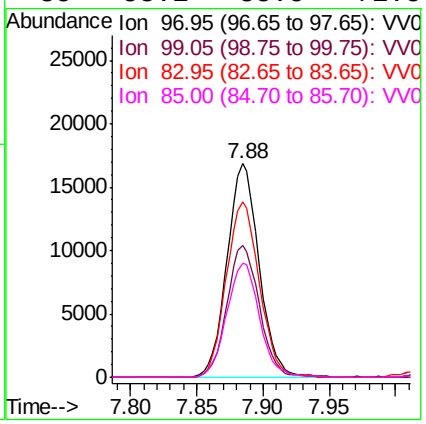


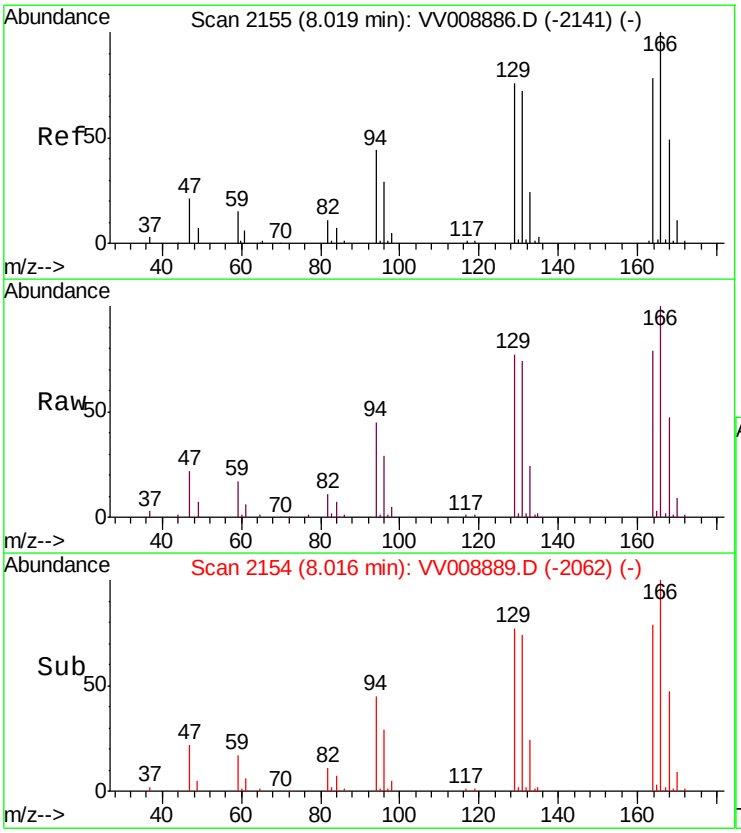

#45
1,1,2-Trichloroethane
Concen: 4.903 ug/L
RT: 7.88 min Scan# 2113
Delta R.T. 0.00 min
Lab File: VV008889.D
Acq: 10 Dec 2018 15:31

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00574

Tgt Ion: 97 Resp: 28363

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 61.8 | 43.3 | 80.3 |
| 83 | 82.0 | 59.4 | 110.2 |
| 85 | 53.1 | 38.5 | 71.5 |

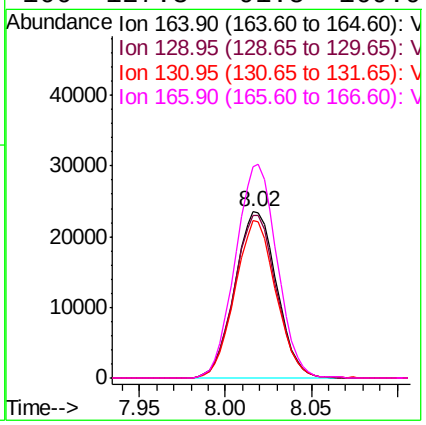


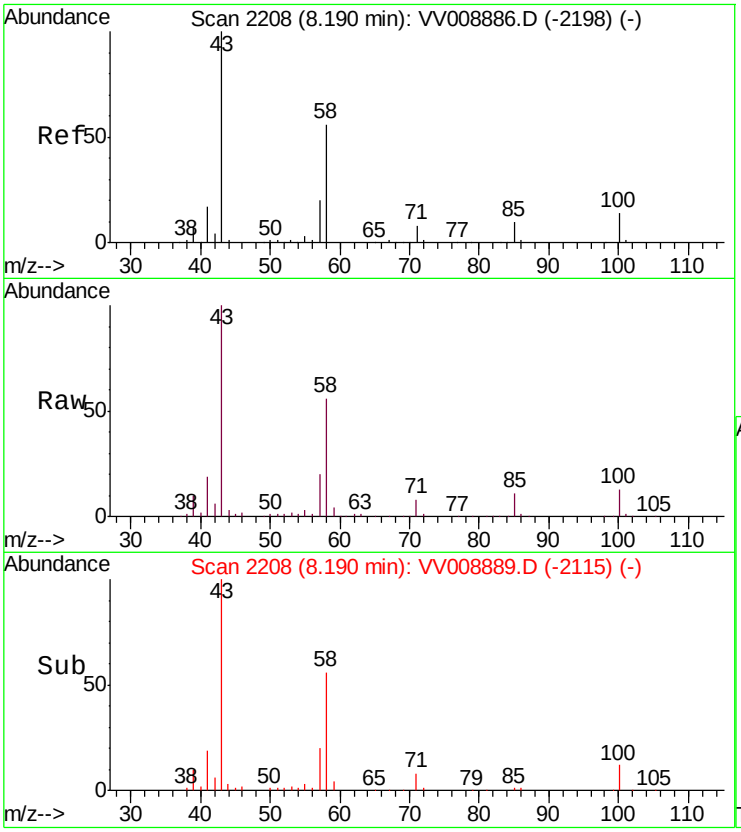




#47
Tetrachloroethene
Concen: 5.085 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.00 min
Lab File: VV008889.D
Acq: 10 Dec 2018 15:31

Tgt Ion:164 Resp: 39891

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 97.6 | 68.8 | 127.8 |
| 131 | 94.5 | 64.8 | 120.4 |
| 166 | 127.3 | 91.5 | 169.9 |



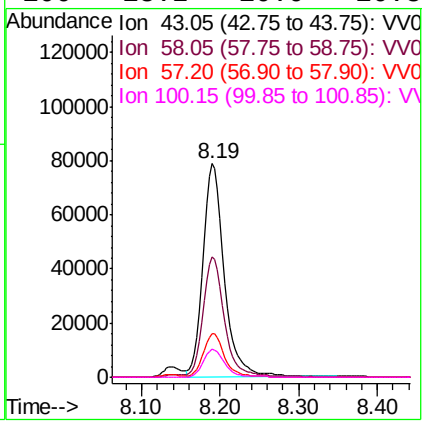


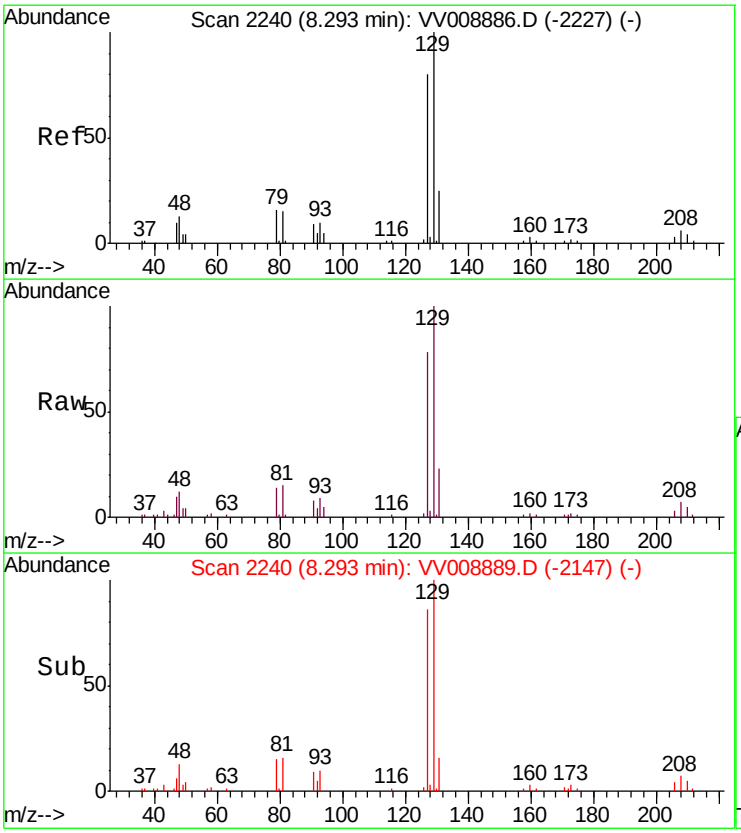

#48
2-Hexanone
Concen: 50.009 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV008889.D
Acq: 10 Dec 2018 15:31

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00574

Tgt Ion: 43 Resp: 147347

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 56.1 | 44.4 | 66.6 |
| 57 | 19.9 | 15.8 | 23.8 |
| 100 | 13.2 | 10.9 | 16.3 |

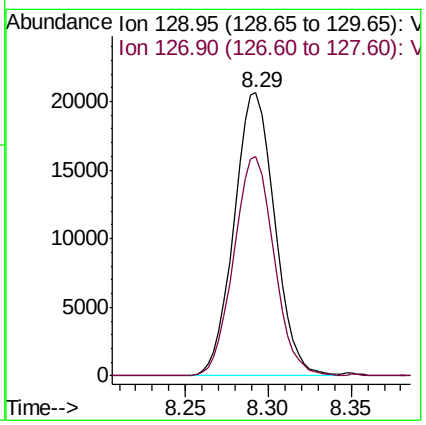


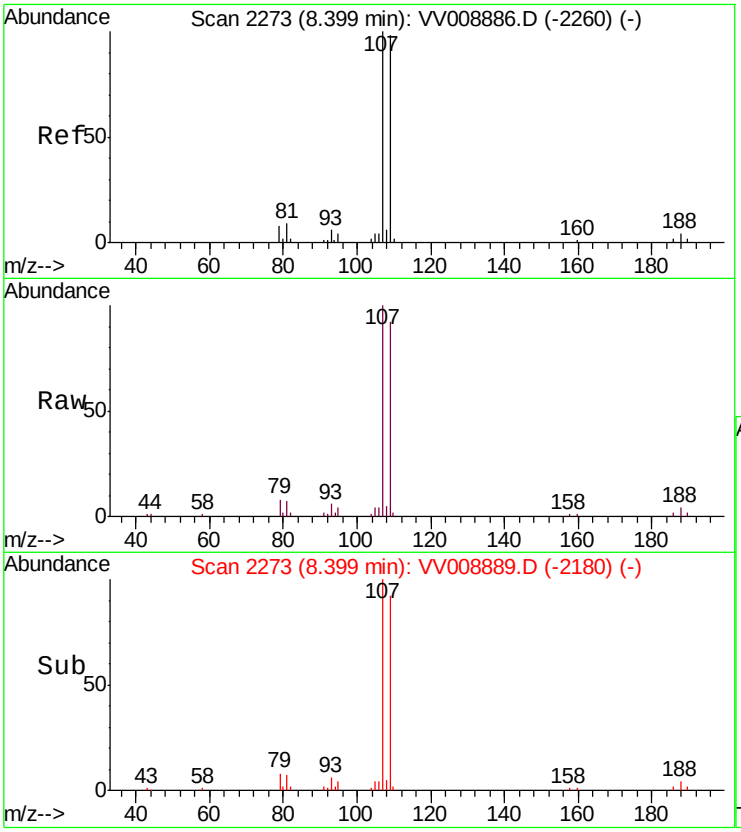




#49
Dibromochloromethane
Concen: 5.230 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV008889.D
Acq: 10 Dec 2018 15:31

Tgt Ion:129 Resp: 35389

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.6 | 54.0 | 100.4 |



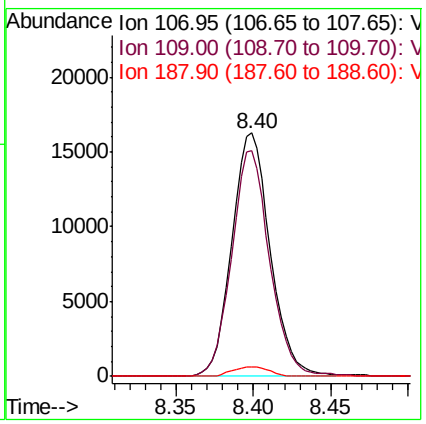


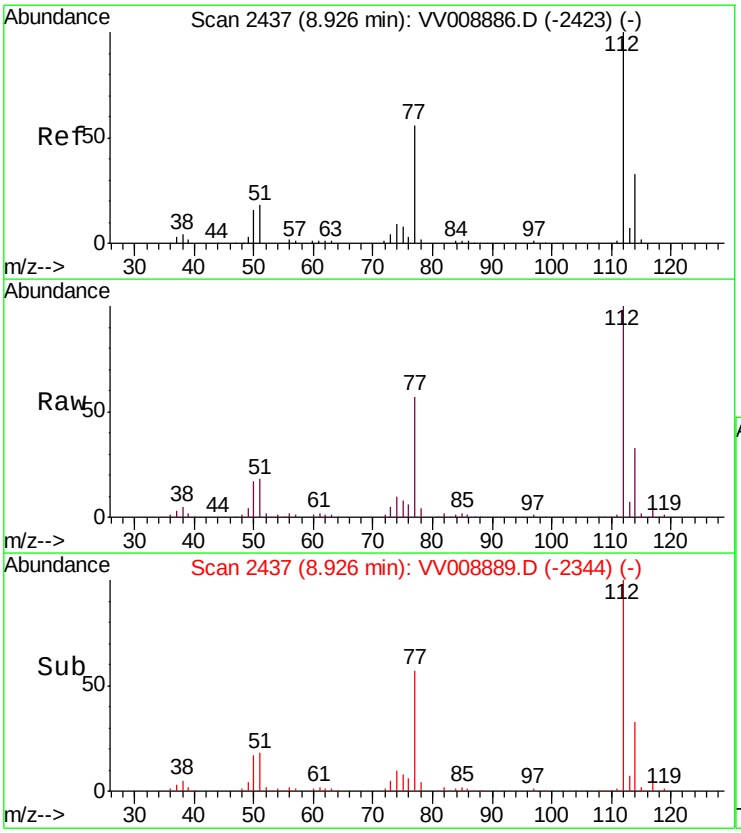

#50
1,2-Dibromoethane
Concen: 5.156 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV008889.D
Acq: 10 Dec 2018 15:31

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00574

Tgt Ion:107 Resp: 27946

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 92.4 | 65.3 | 121.3 |
| 188 | 4.0 | 2.5 | 3.7# |

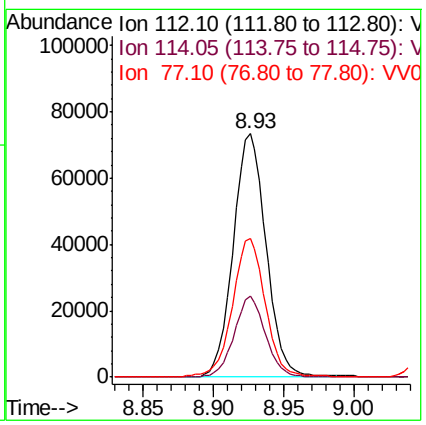


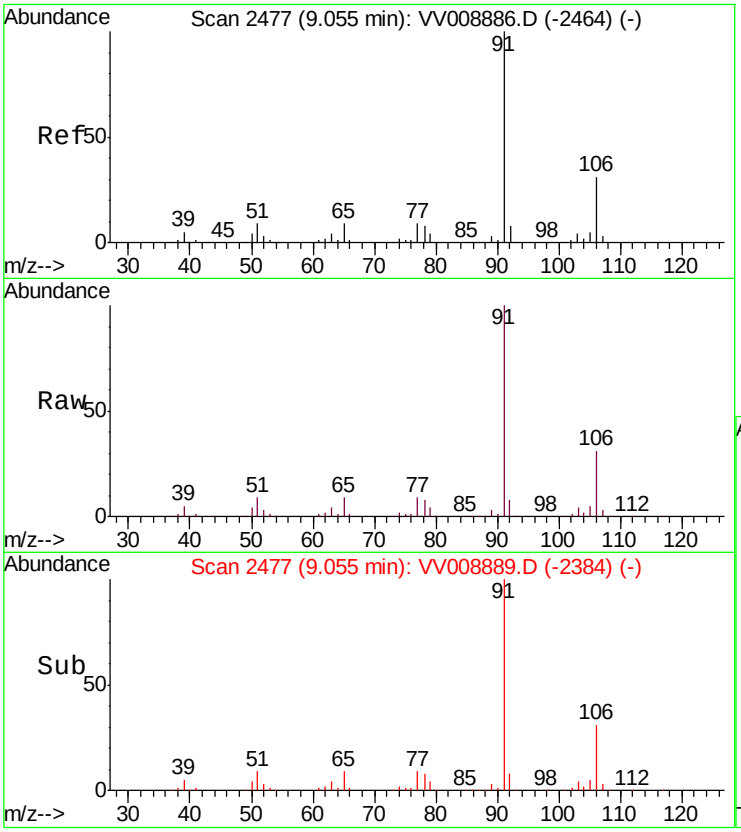




#51
Chlorobenzene
Concen: 5.016 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV008889.D
Acq: 10 Dec 2018 15:31

Tgt Ion:112 Resp: 119778

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 33.2 | 22.3 | 41.5 |
| 77 | 57.0 | 45.2 | 67.8 |



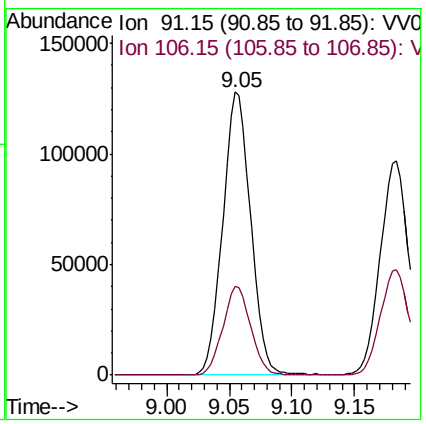


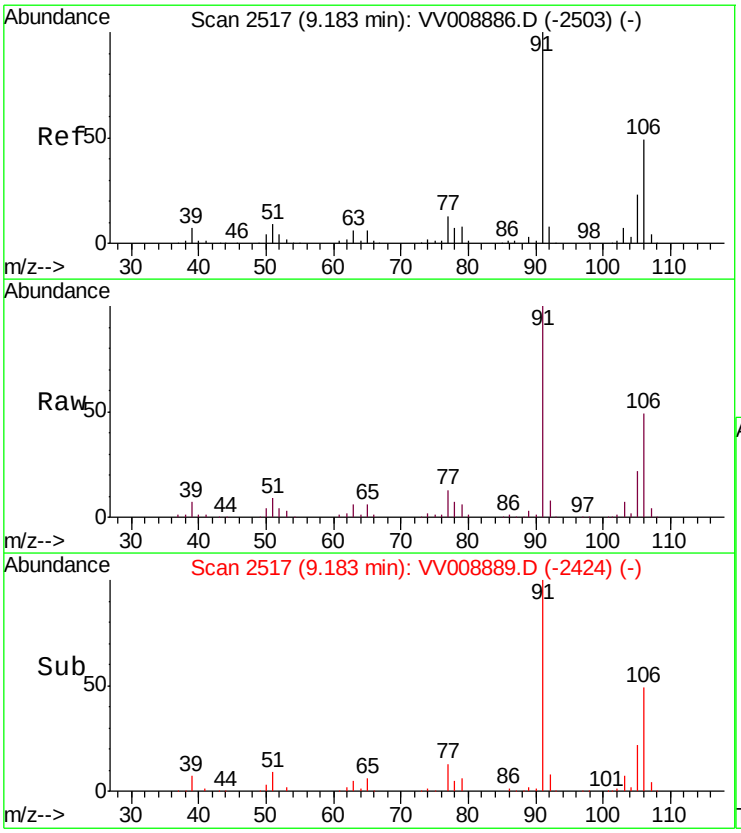

#52
Ethylbenzene
Concen: 5.025 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. 0.00 min
Lab File: VV008889.D
Acq: 10 Dec 2018 15:31

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00574

Tgt Ion: 91 Resp: 199109

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 31.4 | 22.1 | 41.1 |

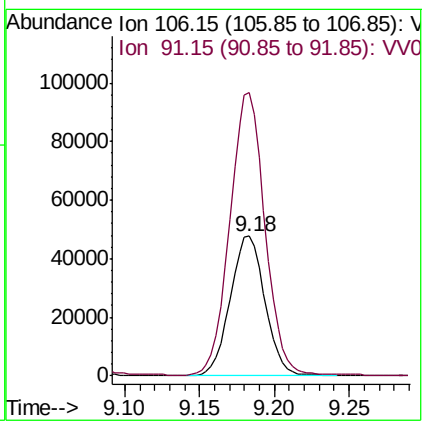


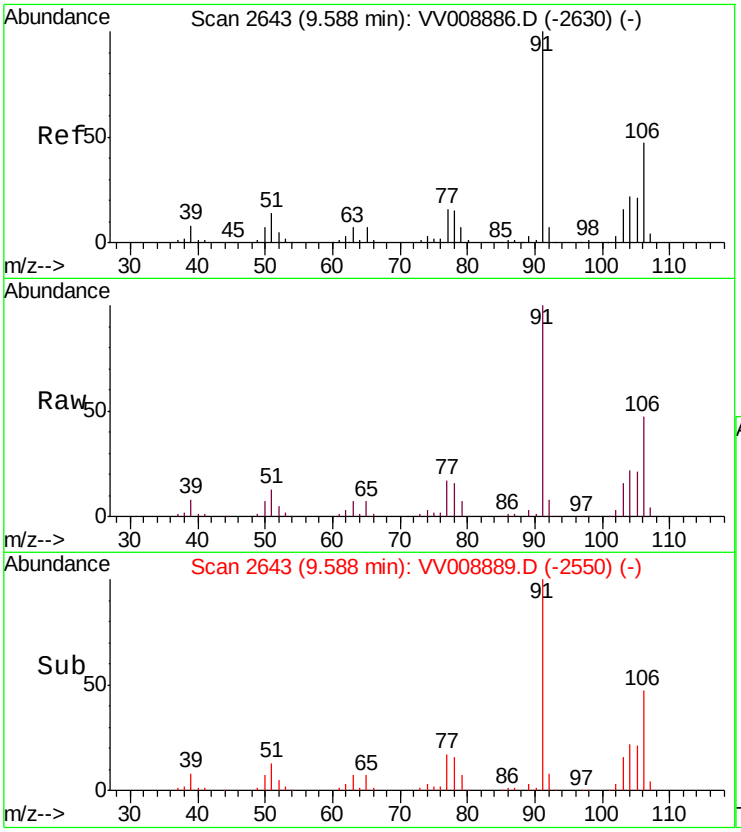




#53
m,p-xylene
Concen: 5.119 ug/L
RT: 9.18 min Scan# 2517
Delta R.T. 0.00 min
Lab File: VV008889.D
Acq: 10 Dec 2018 15:31

Tgt Ion:106 Resp: 77477

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 202.2 | 141.9 | 263.5 |



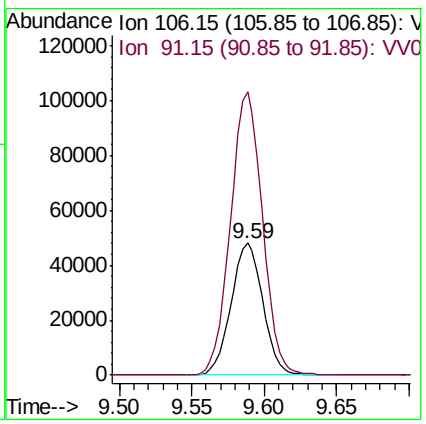


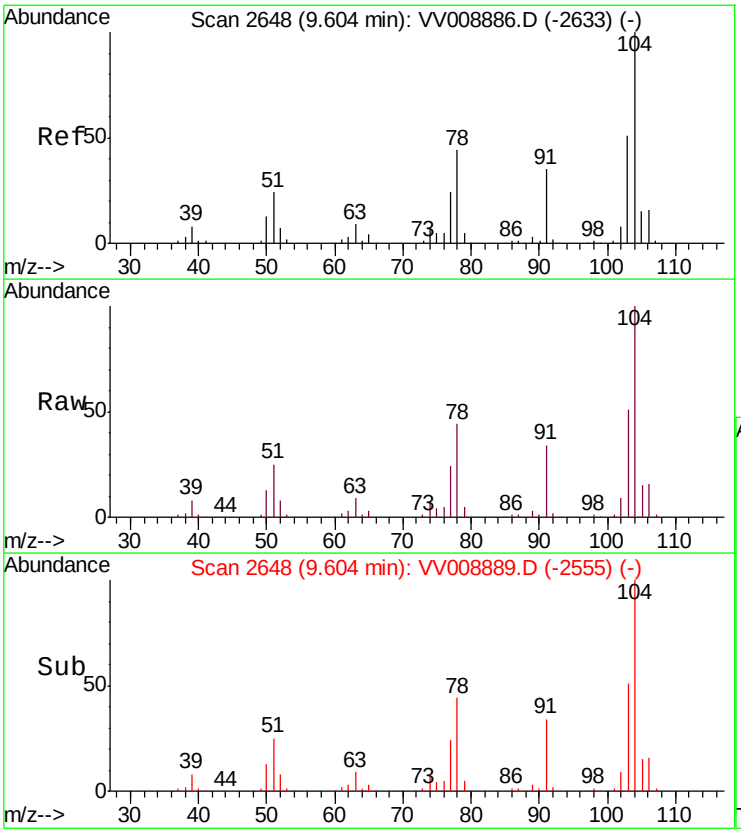

#54
o-xylene
Concen: 5.065 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV008889.D
Acq: 10 Dec 2018 15:31

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00574

Tgt Ion:106 Resp: 73120

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 214.5 | 149.0 | 276.6 |

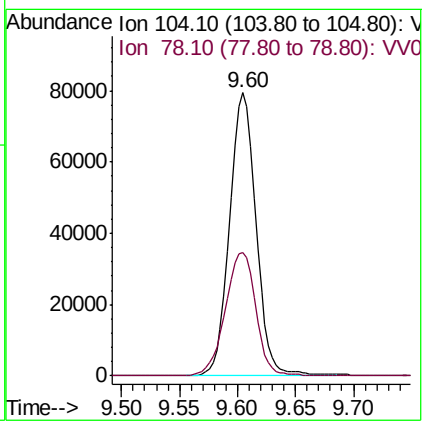


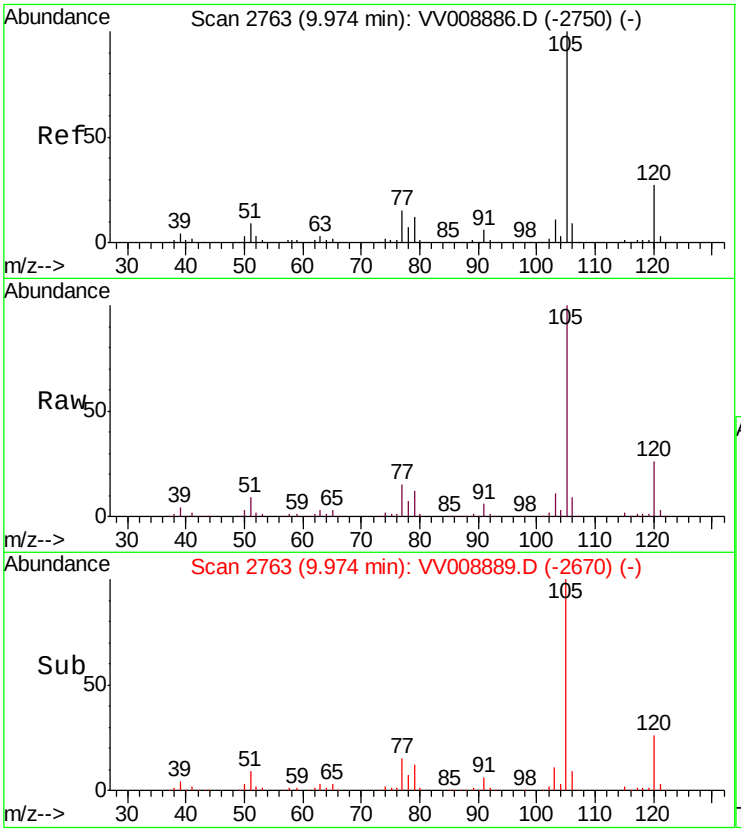




#55
Styrene
Concen: 5.242 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV008889.D
Acq: 10 Dec 2018 15:31

Tgt Ion:104 Resp: 125193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 43.8 | 31.4 | 58.4 |



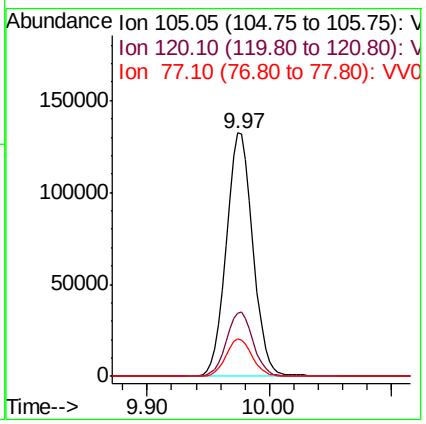


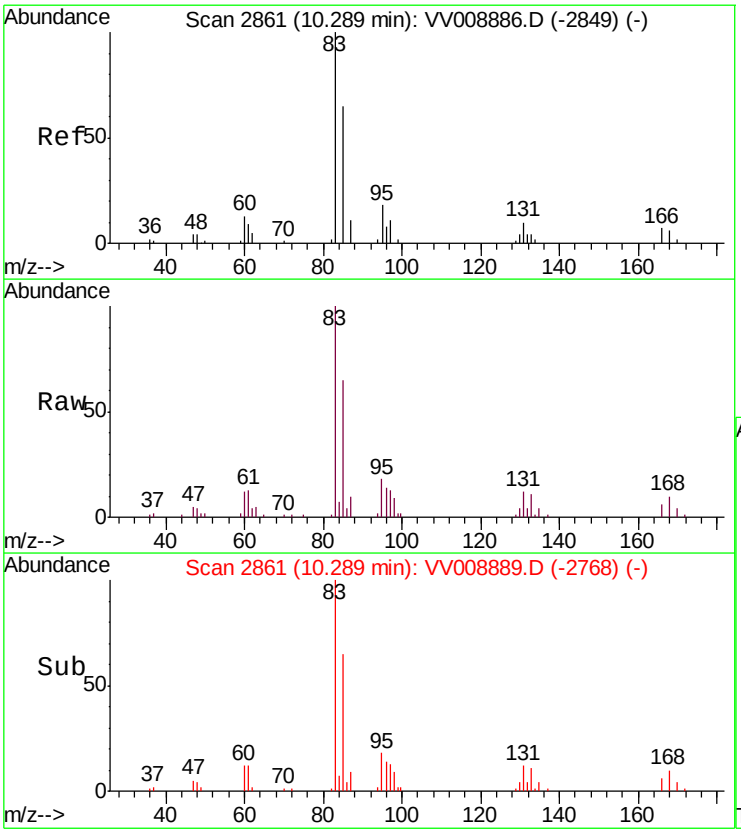

#56
Isopropylbenzene
Concen: 5.178 ug/L
RT: 9.97 min Scan# 2763
Delta R.T. 0.00 min
Lab File: VV008889.D
Acq: 10 Dec 2018 15:31

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00574

Tgt Ion:105 Resp: 202241

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.6 | 21.2 | 31.8 |
| 77 | 15.1 | 12.4 | 18.6 |

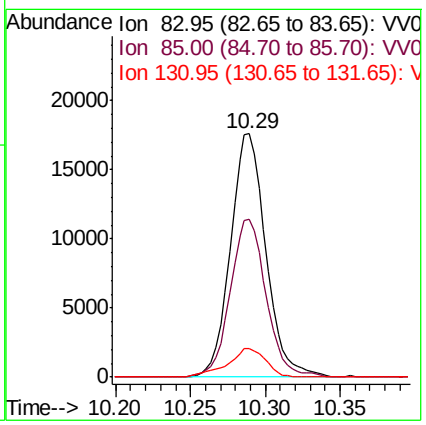


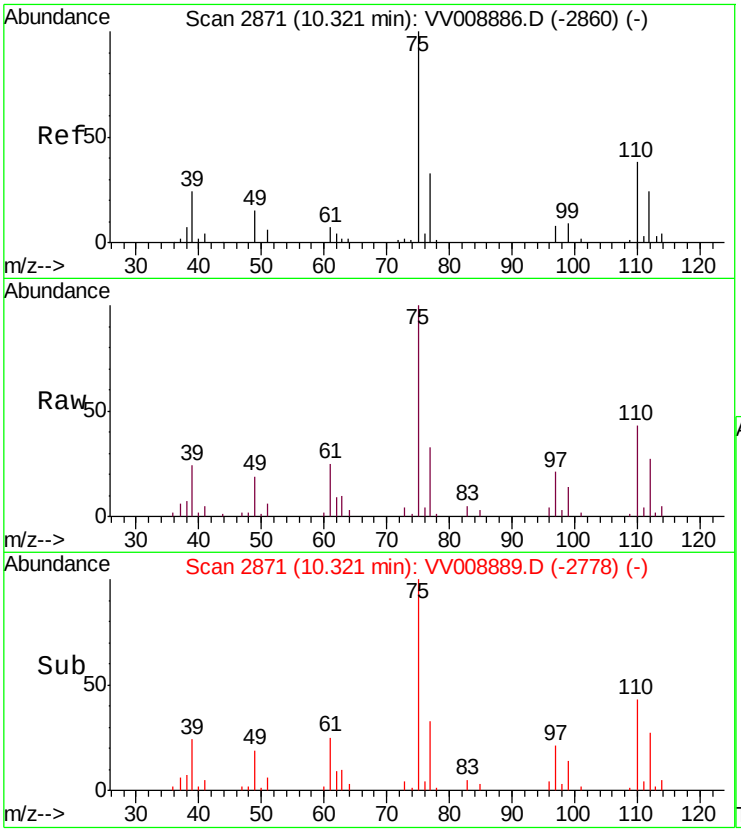




#58
1,1,2,2-Tetrachloroethane
Concen: 4.956 ug/L
RT: 10.29 min Scan# 2861
Delta R.T. 0.00 min
Lab File: VV008889.D
Acq: 10 Dec 2018 15:31

Tgt Ion: 83 Resp: 28933

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.1 | 45.8 | 85.0 |
| 131 | 11.8 | 9.6 | 14.4 |



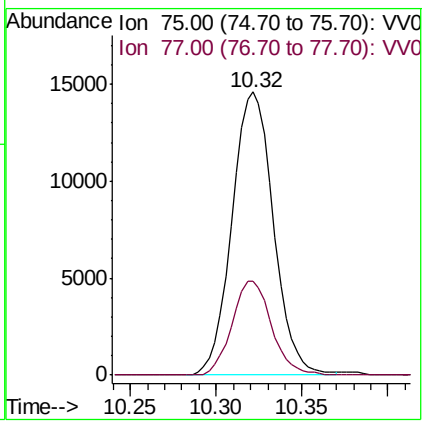


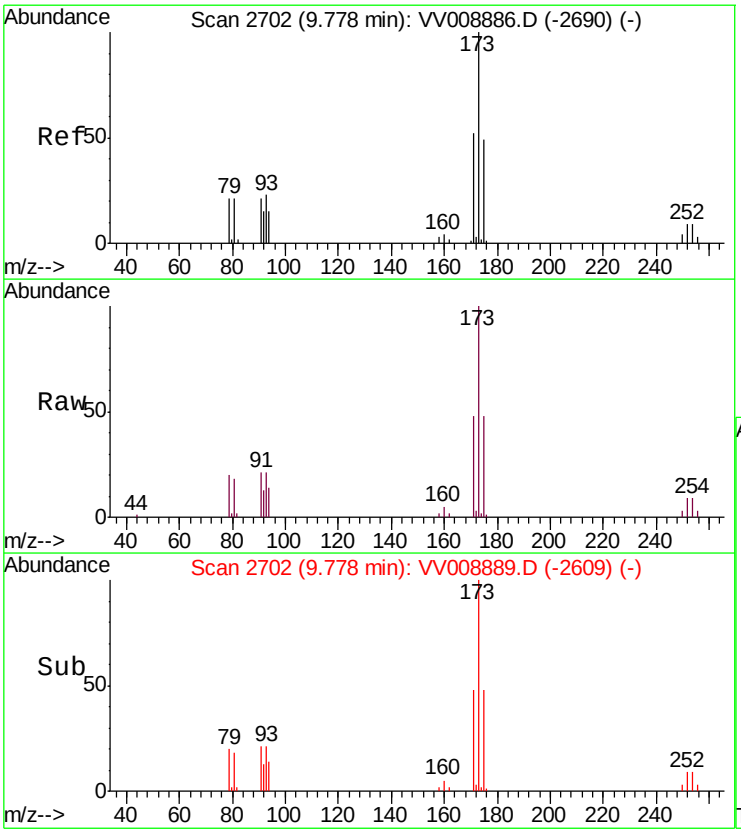

#59
1,2,3-Trichloropropane
Concen: 4.983 ug/L
RT: 10.32 min Scan# 2871
Delta R.T. 0.00 min
Lab File: VV008889.D
Acq: 10 Dec 2018 15:31

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00574

Tgt Ion: 75 Resp: 24504

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.8 | 24.8 | 37.2 |

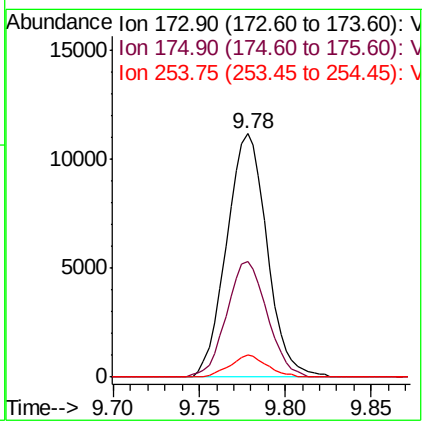


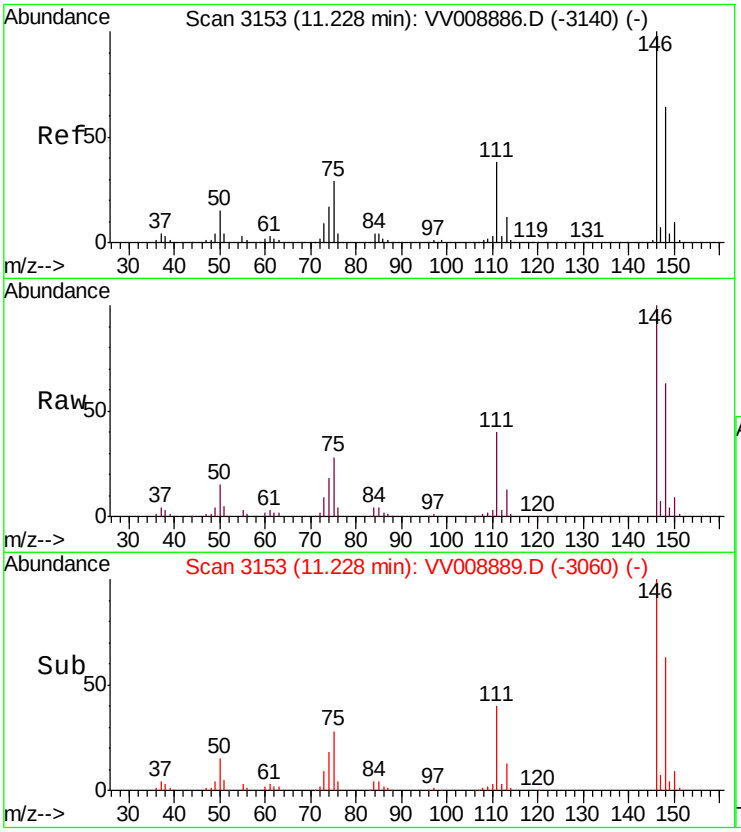




#61
Bromoform
Concen: 5.105 ug/L
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VV008889.D
Acq: 10 Dec 2018 15:31

Tgt Ion:173 Resp: 18320

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 47.6 | 40.2 | 60.4 |
| 254 | 8.3 | 7.0 | 10.6 |



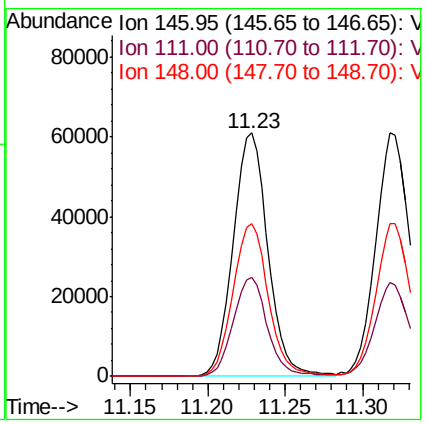


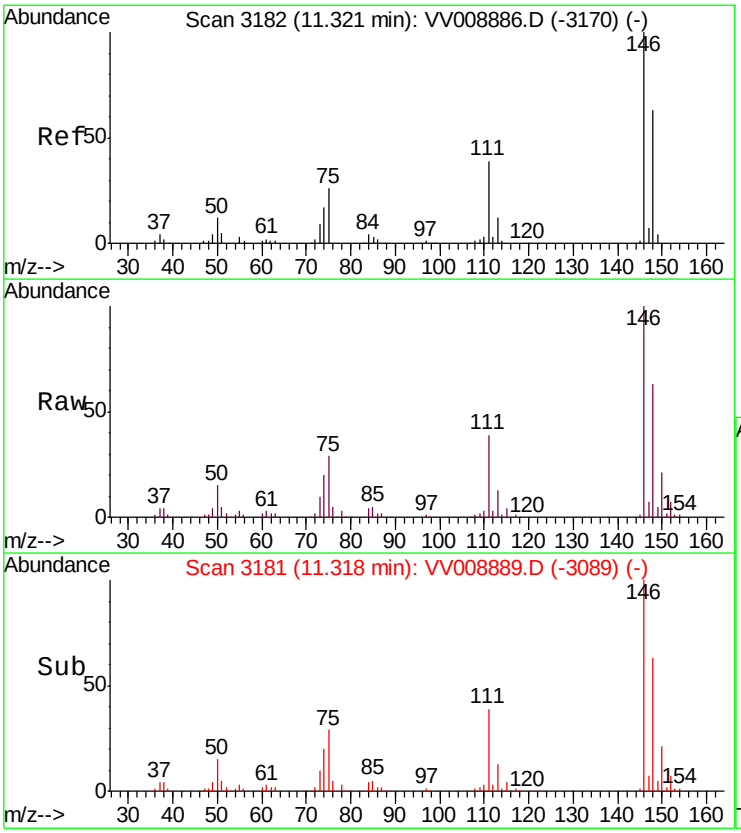

#62
1,3-Dichlorobenzene
Concen: 4.882 ug/L
RT: 11.23 min Scan# 3153
Delta R.T. 0.00 min
Lab File: VV008889.D
Acq: 10 Dec 2018 15:31

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00574

Tgt Ion:146 Resp: 95212

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.5 | 28.5 | 52.9 |
| 148 | 62.6 | 45.0 | 83.6 |

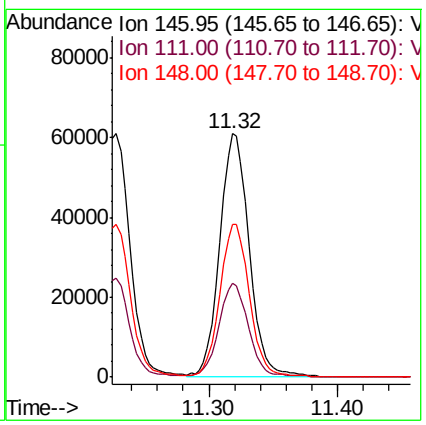


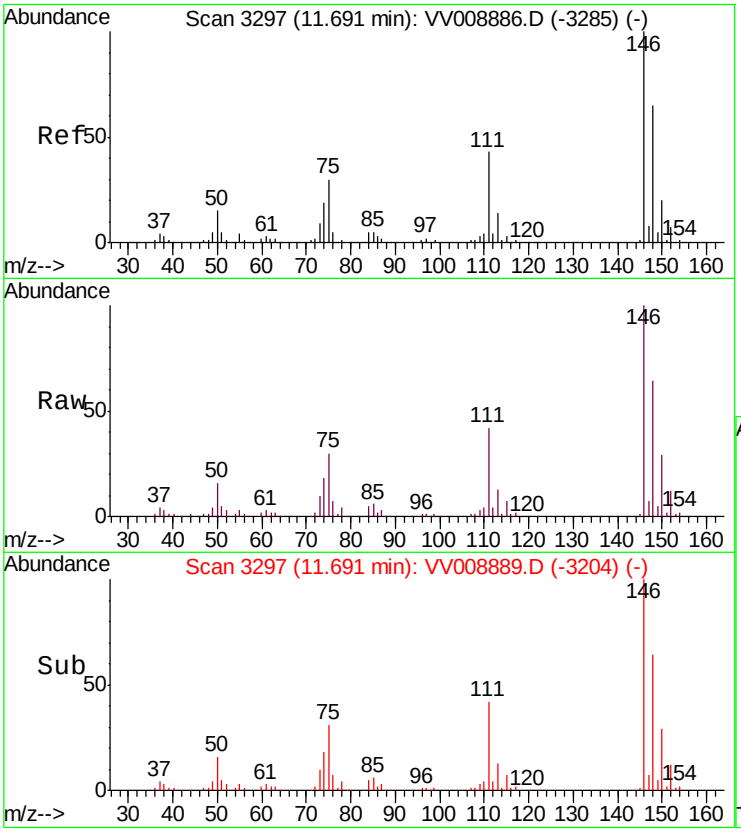




#63
1,4-Dichlorobenzene
Concen: 4.862 ug/L
RT: 11.32 min Scan# 3181
Delta R.T. -0.00 min
Lab File: VV008889.D
Acq: 10 Dec 2018 15:31

Tgt Ion:146 Resp: 96919

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 38.6 | 26.2 | 48.8 |
| 148 | 63.0 | 44.7 | 82.9 |



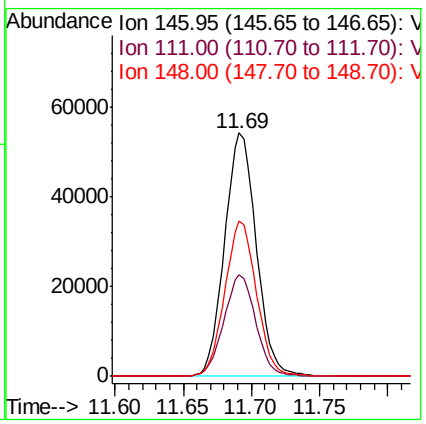


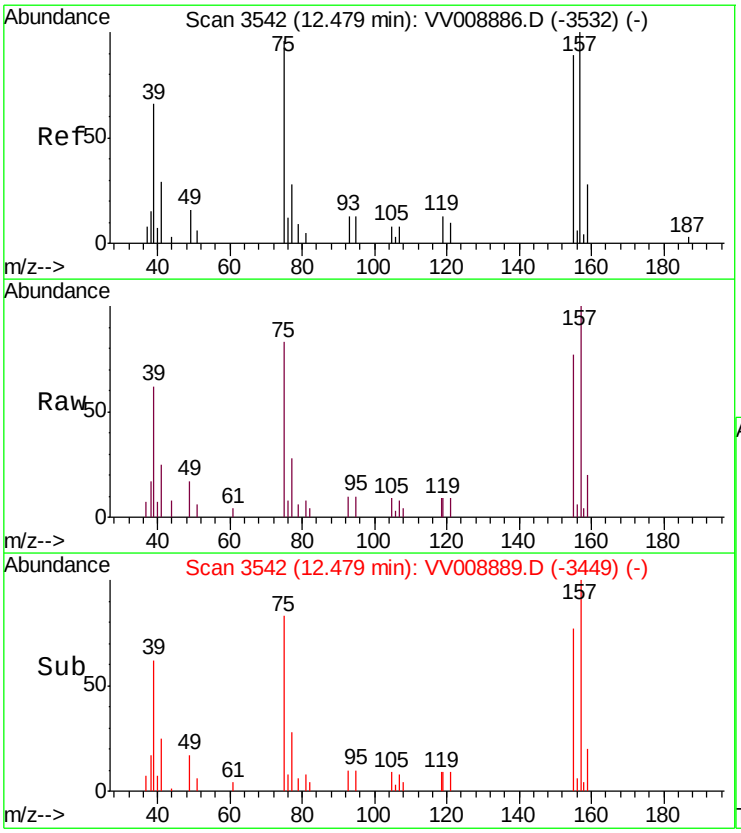

#65
1,2-Dichlorobenzene
Concen: 4.874 ug/L
RT: 11.69 min Scan# 3297
Delta R.T. 0.00 min
Lab File: VV008889.D
Acq: 10 Dec 2018 15:31

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00574

Tgt Ion:146 Resp: 87793

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.8 | 33.8 | 50.6 |
| 148 | 63.6 | 50.0 | 75.0 |

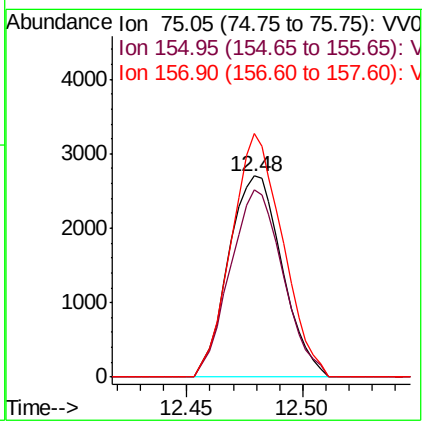


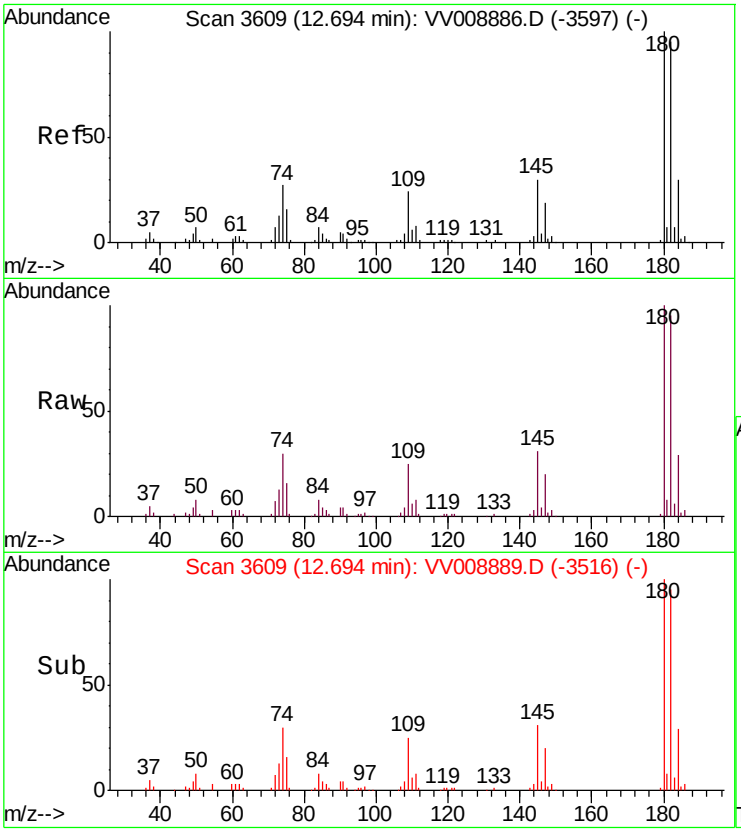




#66
1,2-Dibromo-3-chloropropane
Concen: 4.812 ug/L
RT: 12.48 min Scan# 3542
Delta R.T. 0.00 min
Lab File: VV008889.D
Acq: 10 Dec 2018 15:31

Tgt Ion: 75 Resp: 4351

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 93.3 | 70.2 | 105.4 |
| 157 | 121.0 | 83.4 | 125.2 |



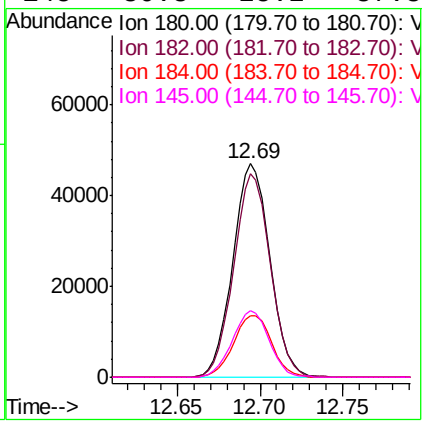


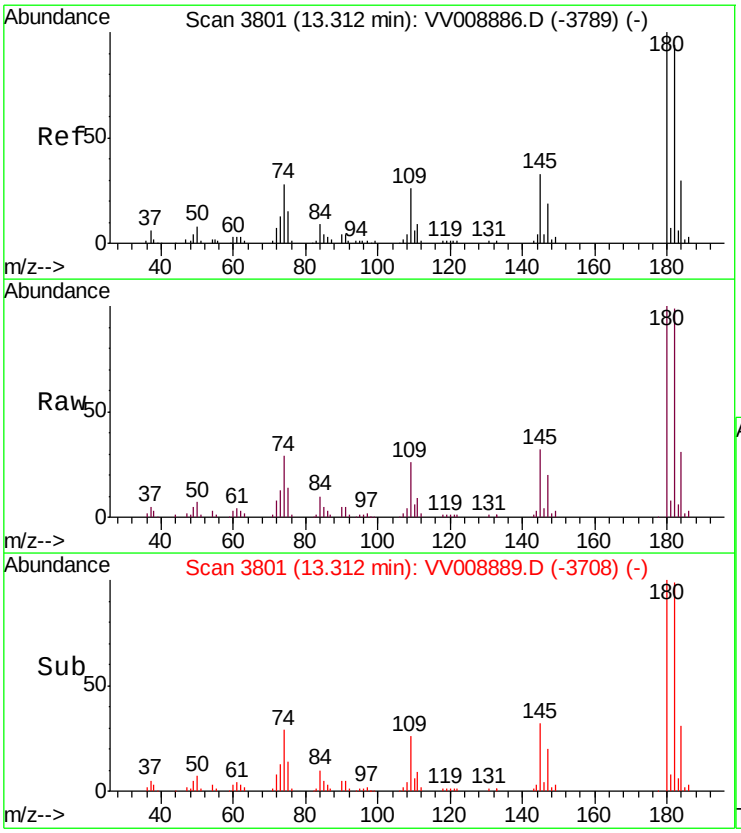

#67
1,3,5-Trichlorobenzene
Concen: 5.038 ug/L
RT: 12.69 min Scan# 3609
Delta R.T. 0.00 min
Lab File: VV008889.D
Acq: 10 Dec 2018 15:31

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00574

Tgt Ion:180 Resp: 73142

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.0 | 76.5 | 114.7 |
| 184 | 29.7 | 24.3 | 36.5 |
| 145 | 30.8 | 25.2 | 37.8 |

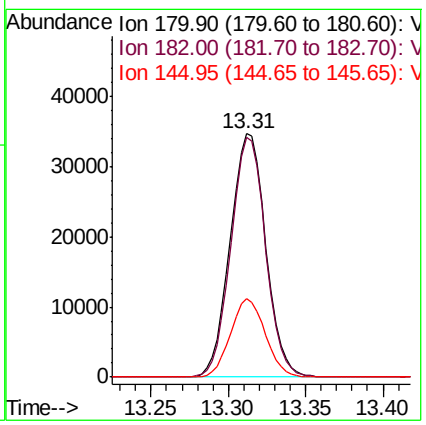


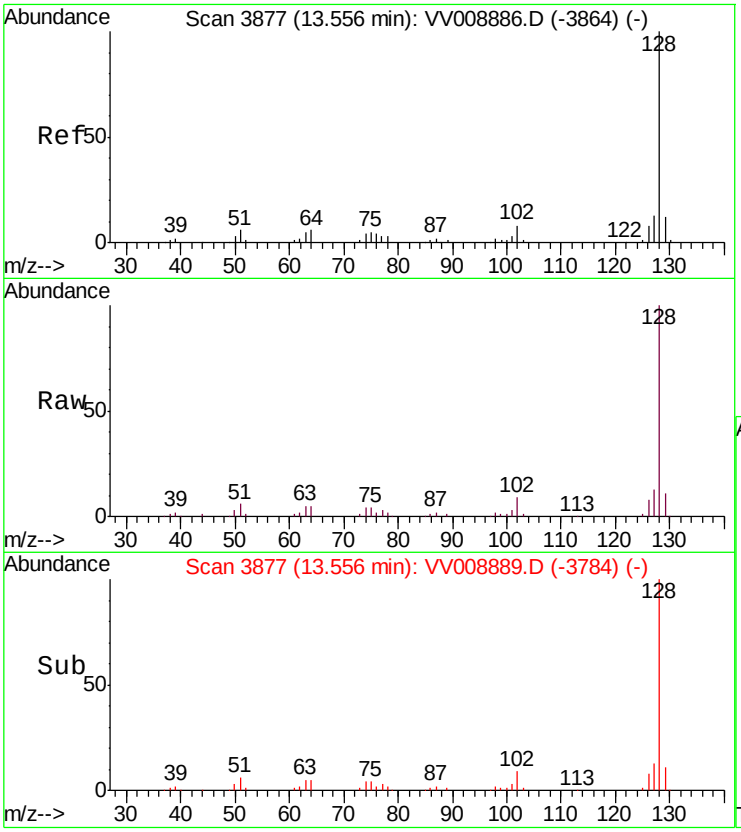




#68
1,2,4-trichlorobenzene
Concen: 5.132 ug/L
RT: 13.31 min Scan# 3801
Delta R.T. 0.00 min
Lab File: VV008889.D
Acq: 10 Dec 2018 15:31

Tgt Ion:180 Resp: 55346

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.8 | 76.2 | 114.4 |
| 145 | 31.3 | 26.2 | 39.4 |



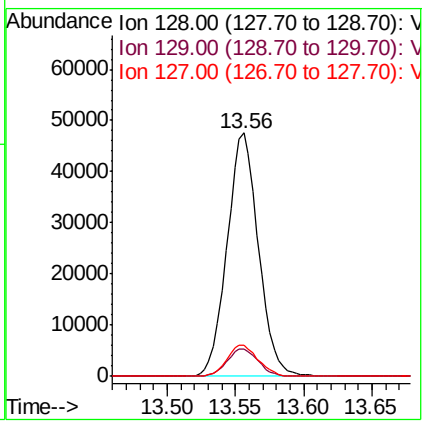


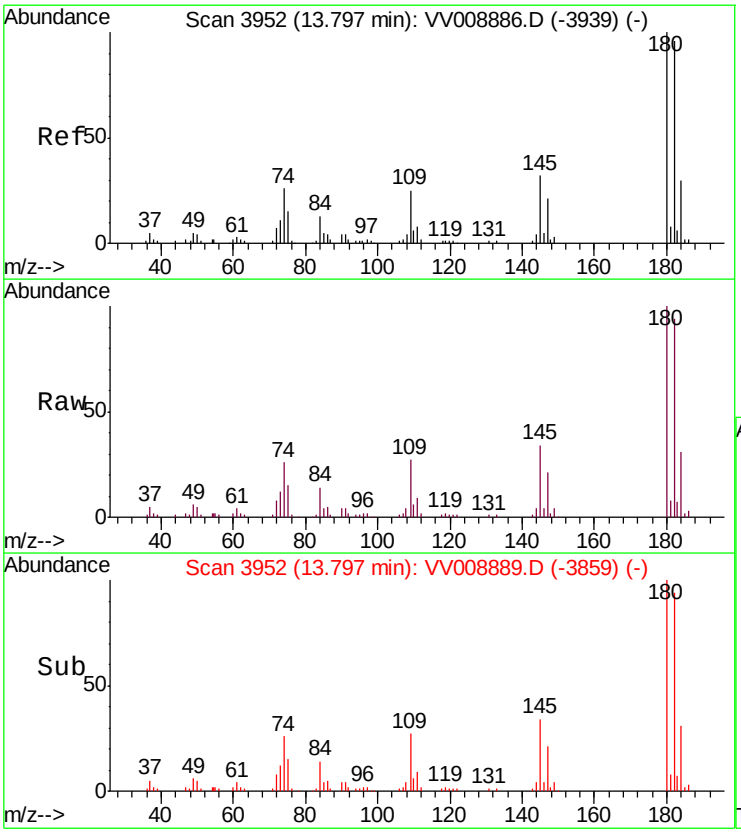

#69
Naphthalene
Concen: 4.847 ug/L
RT: 13.56 min Scan# 3877
Delta R.T. 0.00 min
Lab File: VV008889.D
Acq: 10 Dec 2018 15:31

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00574

Tgt Ion:128 Resp: 75890

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.2 | 8.6 | 12.8 |
| 127 | 12.6 | 10.6 | 15.8 |




#70
1,2,3-Trichlorobenzene
Concen: 5.045 ug/L
RT: 13.80 min Scan# 3952
Delta R.T. 0.00 min
Lab File: VV008889.D
Acq: 10 Dec 2018 15:31

Tgt Ion:180 Resp: 50933

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.4 | 77.8 | 116.8 |
| 145 | 33.9 | 26.6 | 40.0 |