Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV121619\

Quantitation Report (Not Reviewed)

Data File : VV014080.D
Acq On : 16 Dec 2019 18:23
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00558

Quant Time: Dec 17 05:49:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 17 05:42:45 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.66 | 114 | 411047 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.89 | 117 | 408852 | 5.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152 | 220018 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.32 | 65 | 114021 | 4.48 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 89.60% | | | |
| 7) Chloroethane-d5 | 1.58 | 69 | 107177 | 4.96 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 99.20% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.13 | 63 | 188136 | 4.39 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 87.80% | | | |
| 20) 2-Butanone-d5 | 3.92 | 46 | 354728 | 67.07 | ug/L | -0.02 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 134.14%# | | | |
| 24) Chloroform-d | 4.40 | 84 | 240084 | 4.68 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 93.60% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.08 | 65 | 118295 | 4.85 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 97.00% | | | |
| 32) Benzene-d6 | 5.10 | 84 | 422314 | 4.00 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 80.00% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.11 | 67 | 140036 | 4.45 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 89.00% | | | |
| 41) Toluene-d8 | 7.36 | 98 | 367165 | 3.71 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 74.20% | | | |
| 43) trans-1,3-Dichloropropene- | 7.66 | 79 | 50594 | 4.14 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 82.80% | | | |
| 46) 2-Hexanone-d5 | 8.13 | 63 | 296555 | 65.71 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 131.42%# | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.25 | 84 | 126803 | 5.82 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 116.40% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.67 | 152 | 168887 | 4.35 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 87.00% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.14 | 85 | 125134 | 4.571 | ug/L | 97 |
| 3) Chloromethane | 1.25 | 50 | 131267 | 5.460 | ug/L | 99 |
| 5) Vinyl chloride | 1.33 | 62 | 127097 | 5.176 | ug/L | 99 |
| 6) Bromomethane | 1.53 | 94 | 66852 | 5.170 | ug/L | 99 |
| 8) Chloroethane | 1.60 | 64 | 82687 | 5.588 | ug/L | 98 |
| 9) Trichlorofluoromethane | 1.77 | 101 | 194052 | 5.089 | ug/L | 99 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.14 | 101 | 116312 | 5.133 | ug/L | 98 |
| 12) 1,1-Dichloroethene | 2.14 | 96 | 101622 | 5.142 | ug/L | 86 |
| 13) Acetone | 2.18 | 43 | 227336 | 61.468 | ug/L # | 56 |
| 14) Carbon disulfide | 2.32 | 76 | 203780 | 4.466 | ug/L | 98 |
| 15) Methyl Acetate | 2.46 | 43 | 45802 | 5.532 | ug/L | 99 |
| 16) Methylene chloride | 2.53 | 84 | 120849 | 4.464 | ug/L | 95 |
| 17) Methyl tert-butyl Ether | 2.80 | 73 | 248679 | 4.598 | ug/L | 99 |
| 18) trans-1,2-Dichloroethene | 2.79 | 96 | 101957 | 4.569 | ug/L | 98 |
| 19) 1,1-Dichloroethane | 3.23 | 63 | 220013 | 4.938 | ug/L | 99 |
| 21) 2-Butanone | 4.00 | 43 | 325533 | 58.231 | ug/L | 98 |
| 22) cis-1,2-Dichloroethene | 3.96 | 96 | 127148 | 4.859 | ug/L | 99 |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV121619\

Quantitation Report (Not Reviewed)

Data File : VV014080.D
Acq On : 16 Dec 2019 18:23
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00558

Quant Time: Dec 17 05:49:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 17 05:42:45 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 23) Bromochloromethane | 4.30 | 128 | 56794 | 4.939 | ug/L | 94 |
| 25) Chloroform | 4.42 | 83 | 230646 | 4.883 | ug/L | 97 |
| 27) 1,2-Dichloroethane | 5.18 | 62 | 126450 | 4.678 | ug/L | 99 |
| 29) 1,1,1-Trichloroethane | 4.66 | 97 | 191460 | 4.578 | ug/L | 98 |
| 30) Cyclohexane | 4.73 | 56 | 146411 | 4.190 | ug/L | 99 |
| 31) Carbon tetrachloride | 4.87 | 117 | 168413 | 4.577 | ug/L | 100 |
| 33) Benzene | 5.14 | 78 | 459994 | 4.587 | ug/L | 100 |
| 34) Trichloroethene | 5.96 | 95 | 138220 | 4.996 | ug/L | 97 |
| 35) Methylcyclohexane | 6.17 | 83 | 152950 | 4.143 | ug/L | 96 |
| 37) 1,2-Dichloropropane | 6.22 | 63 | 124160 | 4.817 | ug/L | 100 |
| 38) Bromodichloromethane | 6.55 | 83 | 161164 | 4.739 | ug/L | 99 |
| 39) cis-1,3-Dichloropropene | 7.07 | 75 | 156632 | 4.283 | ug/L | 97 |
| 40) 4-Methyl-2-pentanone | 7.26 | 43 | 783218 | 52.077 | ug/L | 99 |
| 42) Toluene | 7.43 | 91 | 499148 | 4.640 | ug/L | 99 |
| 44) trans-1,3-Dichloropropene | 7.69 | 75 | 125428 | 4.381 | ug/L | 99 |
| 45) 1,1,2-Trichloroethane | 7.88 | 97 | 91393 | 4.975 | ug/L | 99 |
| 47) Tetrachloroethene | 8.01 | 164 | 106445 | 4.431 | ug/L | 99 |
| 48) 2-Hexanone | 8.18 | 43 | 557495 | 51.932 | ug/L | 99 |
| 49) Dibromochloromethane | 8.29 | 129 | 115083 | 4.885 | ug/L | 97 |
| 50) 1,2-Dibromoethane | 8.39 | 107 | 81044 | 4.872 | ug/L | 95 |
| 51) Chlorobenzene | 8.92 | 112 | 333229 | 4.452 | ug/L | 99 |
| 52) Ethylbenzene | 9.05 | 91 | 515425 | 4.411 | ug/L | 100 |
| 53) m,p-xylene | 9.18 | 106 | 200305 | 4.496 | ug/L | 100 |
| 54) o-xylene | 9.58 | 106 | 193999 | 4.461 | ug/L | 95 |
| 55) Styrene | 9.60 | 104 | 356017 | 4.741 | ug/L | 97 |
| 56) Isopropylbenzene | 9.97 | 105 | 535677 | 4.520 | ug/L | 100 |
| 58) 1,1,2,2-Tetrachloroethane | 10.28 | 83 | 111408 | 5.520 | ug/L | 96 |
| 59) 1,2,3-Trichloropropane | 10.31 | 75 | 78737 | 4.976 | ug/L | 100 |
| 61) Bromoform | 9.77 | 173 | 70594 | 5.098 | ug/L | 98 |
| 62) 1,3-Dichlorobenzene | 11.22 | 146 | 288924 | 4.520 | ug/L | 99 |
| 63) 1,4-Dichlorobenzene | 11.31 | 146 | 288220 | 4.430 | ug/L | 99 |
| 65) 1,2-Dichlorobenzene | 11.68 | 146 | 272986 | 4.602 | ug/L | 99 |
| 66) 1,2-Dibromo-3-chloropropan | 12.47 | 75 | 15197 | 4.408 | ug/L | 93 |
| 67) 1,3,5-Trichlorobenzene | 12.69 | 180 | 237058 | 4.391 | ug/L | 98 |
| 68) 1,2,4-trichlorobenzene | 13.30 | 180 | 193720 | 4.375 | ug/L | 99 |
| 69) Naphthalene | 13.55 | 128 | 254669 | 4.224 | ug/L | 99 |
| 70) 1,2,3-Trichlorobenzene | 13.79 | 180 | 185839 | 4.607 | ug/L | 98 |

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

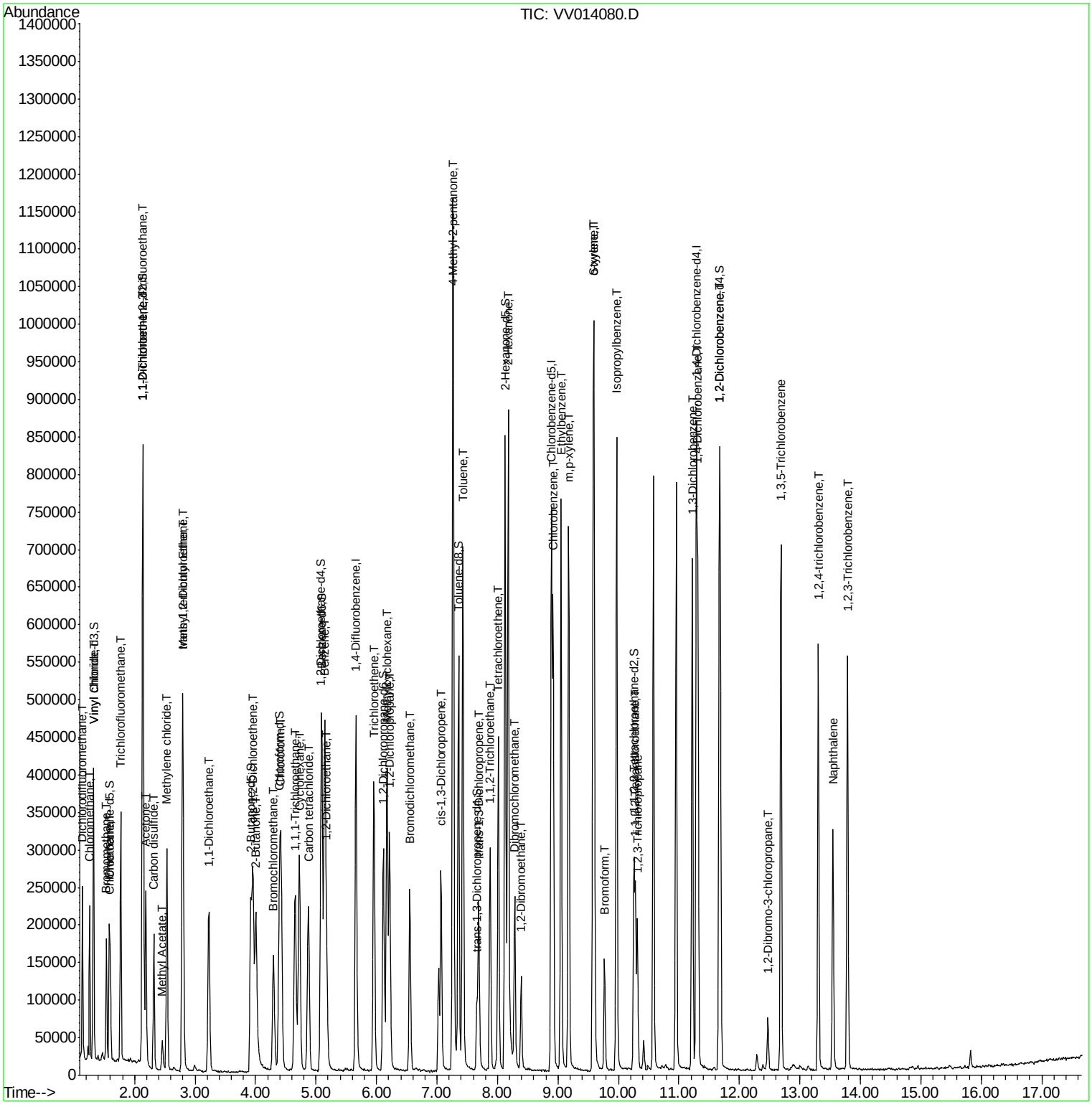
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV121619\

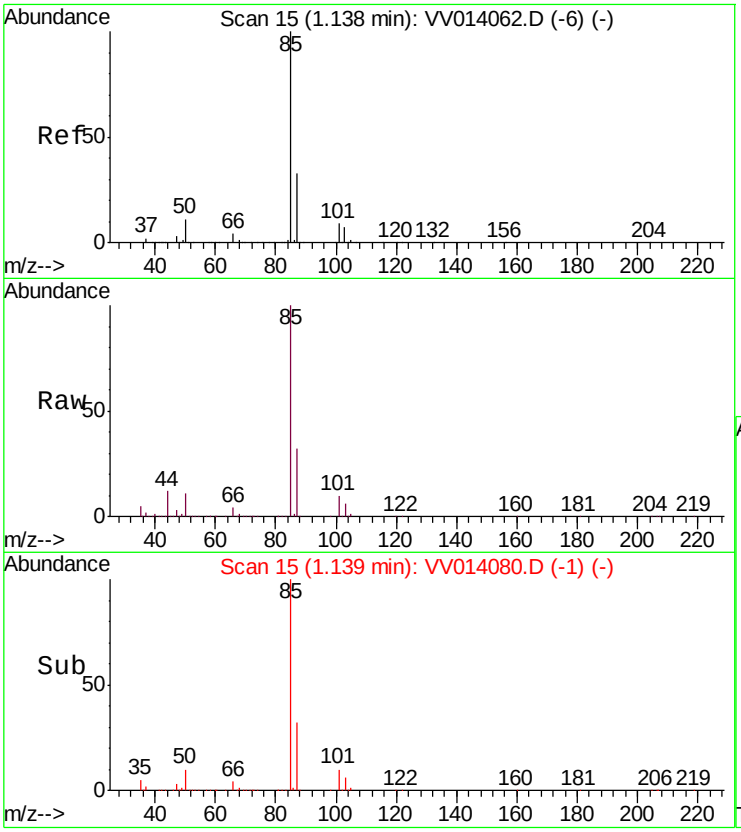
Quantitation Report (Not Reviewed)

Data File : VV014080.D
Acq On : 16 Dec 2019 18:23
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00558

Quant Time: Dec 17 05:49:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 17 05:42:45 2019
Response via : Initial Calibration



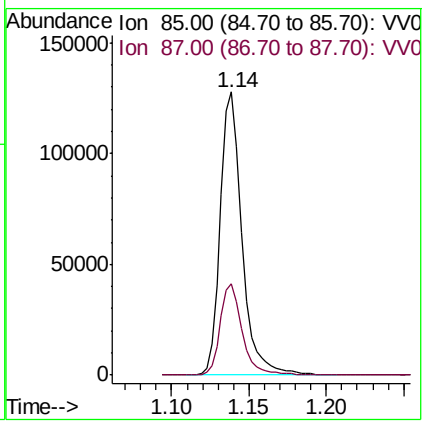


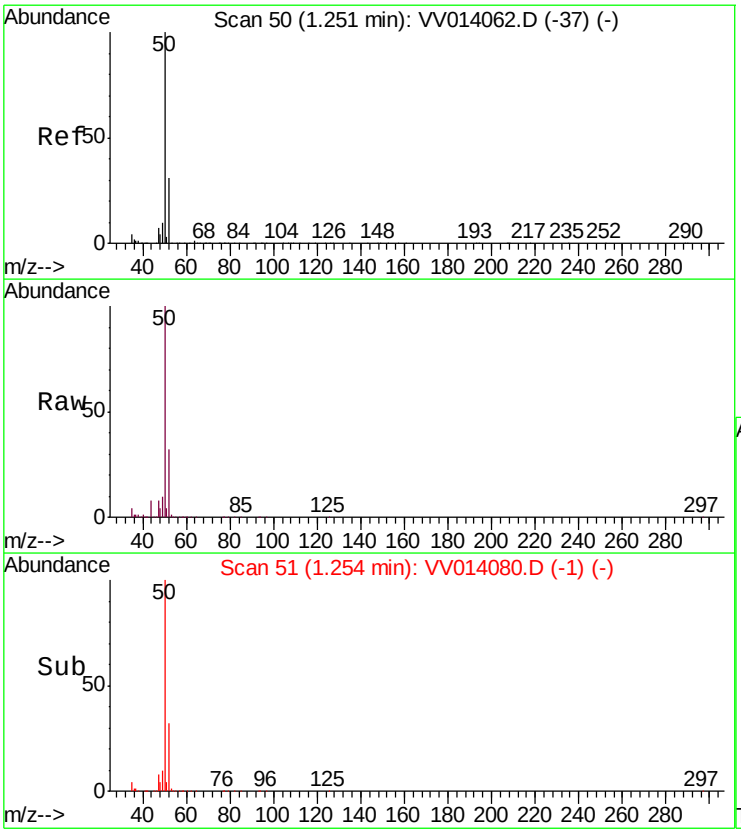

#2
Dichlorodifluoromethane
Concen: 4.571 ug/L
RT: 1.14 min Scan# 15
Delta R.T. 0.00 min
Lab File: VV014080.D
Acq: 16 Dec 2019 18:23

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00558

Tgt Ion: 85 Resp: 125134

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.8 | 27.4 | 41.2 |

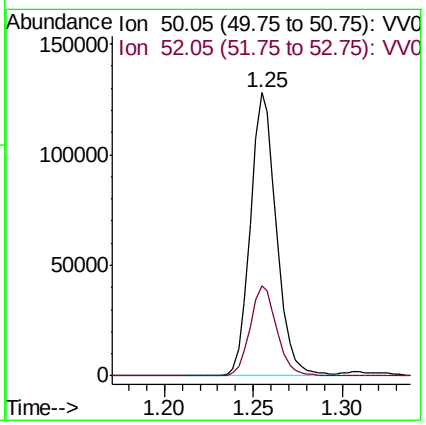


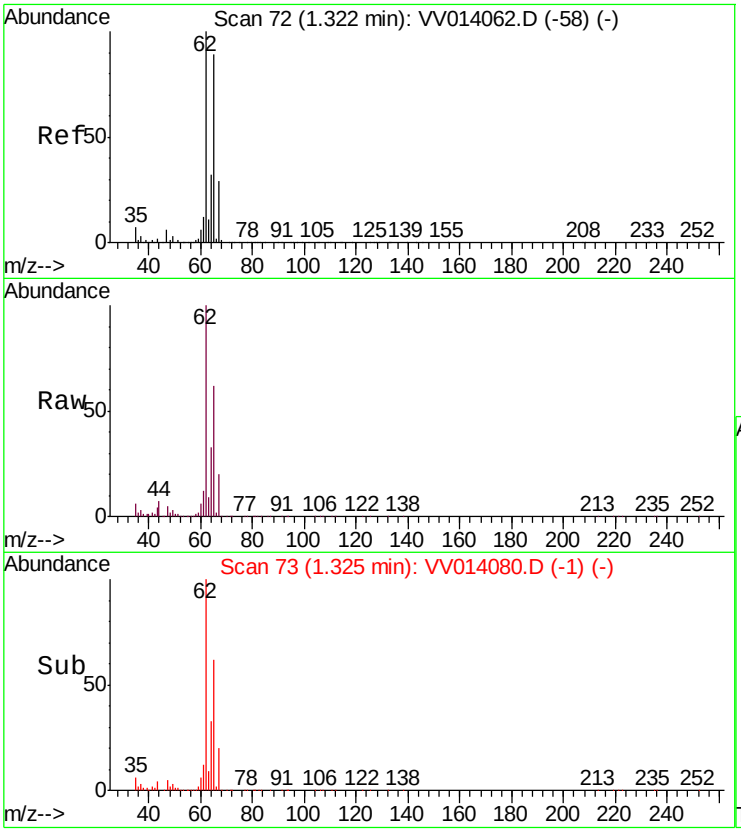




#3
Chloromethane
Concen: 5.460 ug/L
RT: 1.25 min Scan# 51
Delta R.T. 0.00 min
Lab File: VV014080.D
Acq: 16 Dec 2019 18:23

Tgt Ion: 50 Resp: 131267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 31.7 | 22.5 | 41.7 |



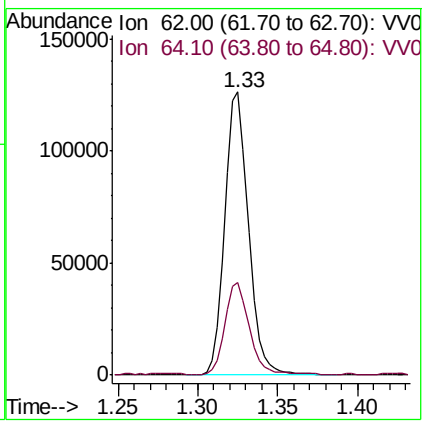


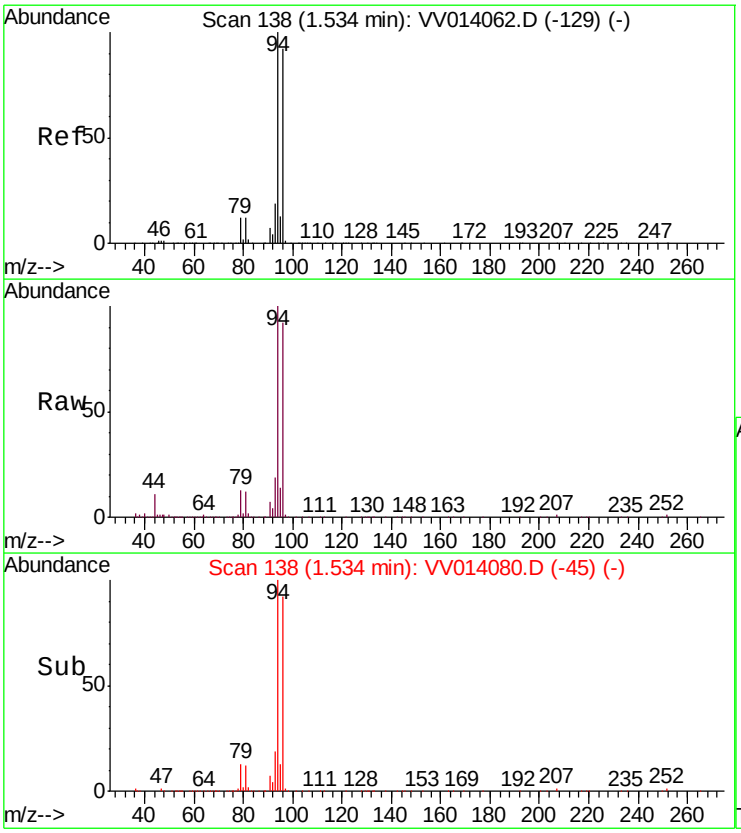

#5
Vinyl chloride
Concen: 5.176 ug/L
RT: 1.33 min Scan# 73
Delta R.T. 0.00 min
Lab File: VV014080.D
Acq: 16 Dec 2019 18:23

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00558

Tgt Ion: 62 Resp: 127097

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.7 | 23.3 | 43.3 |

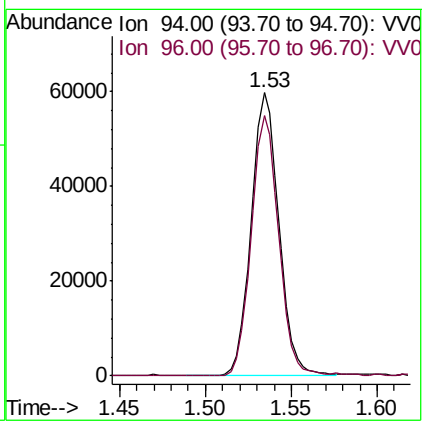


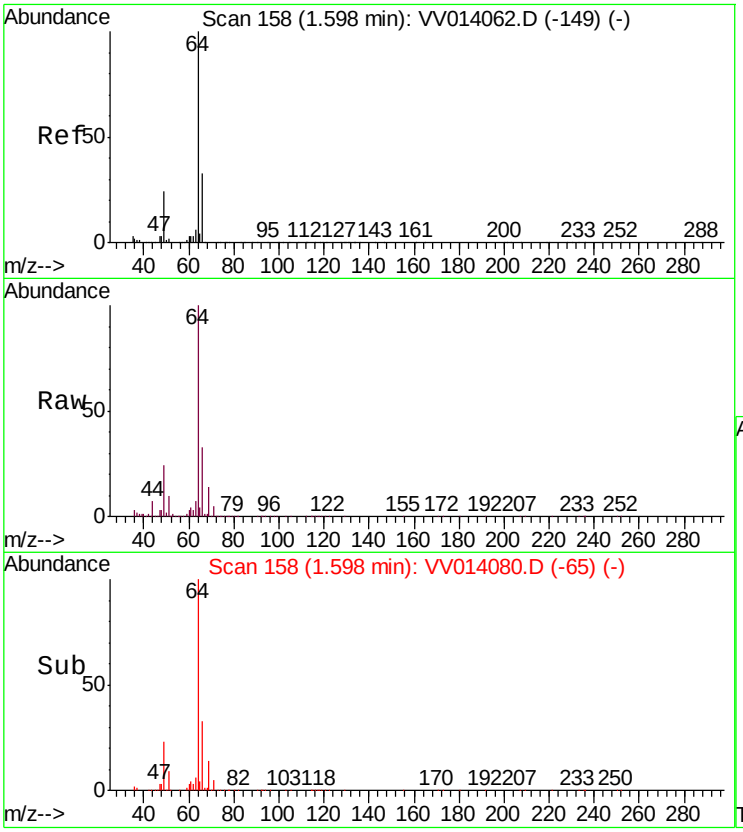




#6
Bromomethane
Concen: 5.170 ug/L
RT: 1.53 min Scan# 138
Delta R.T. 0.00 min
Lab File: VV014080.D
Acq: 16 Dec 2019 18:23

Tgt Ion: 94 Resp: 66852

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 92.0 | 65.2 | 121.0 |



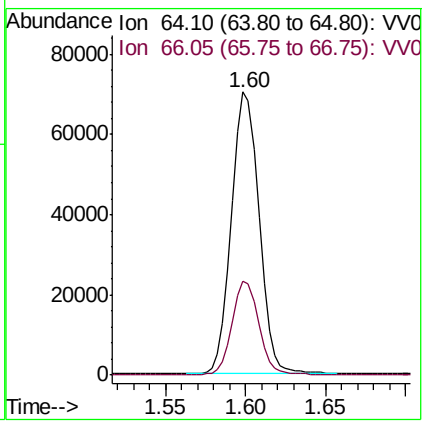


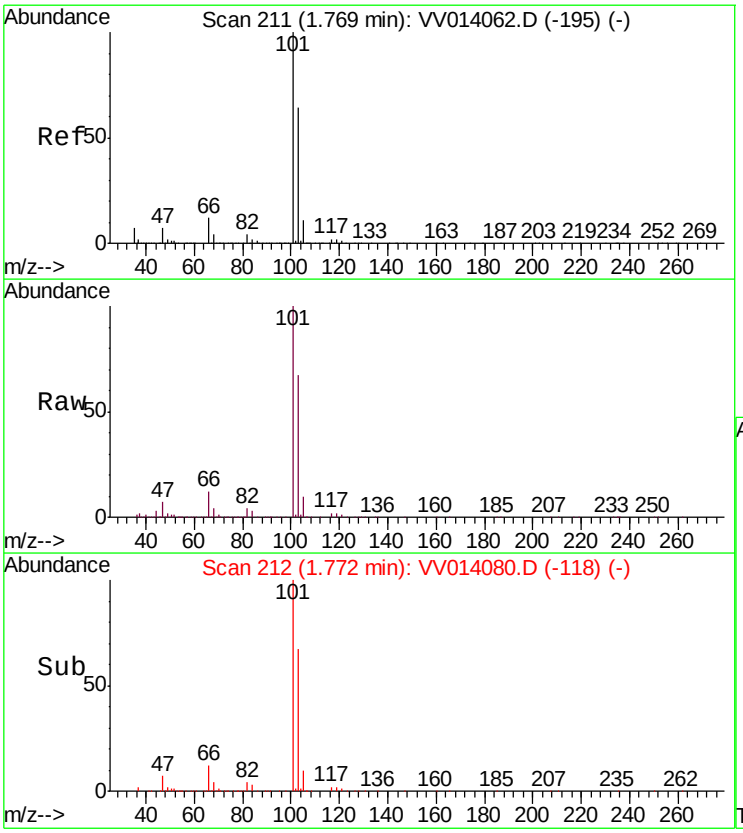

#8
Chloroethane
Concen: 5.588 ug/L
RT: 1.60 min Scan# 158
Delta R.T. 0.00 min
Lab File: VV014080.D
Acq: 16 Dec 2019 18:23

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00558

Tgt Ion: 64 Resp: 82687

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 33.2 | 22.6 | 42.0 |

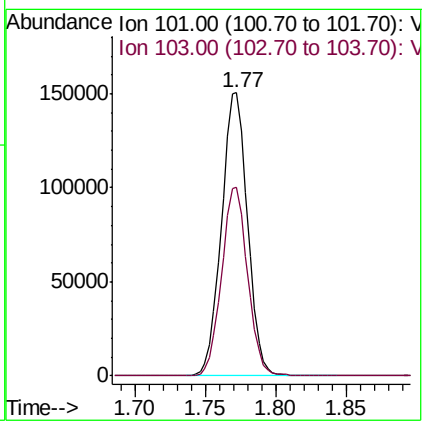


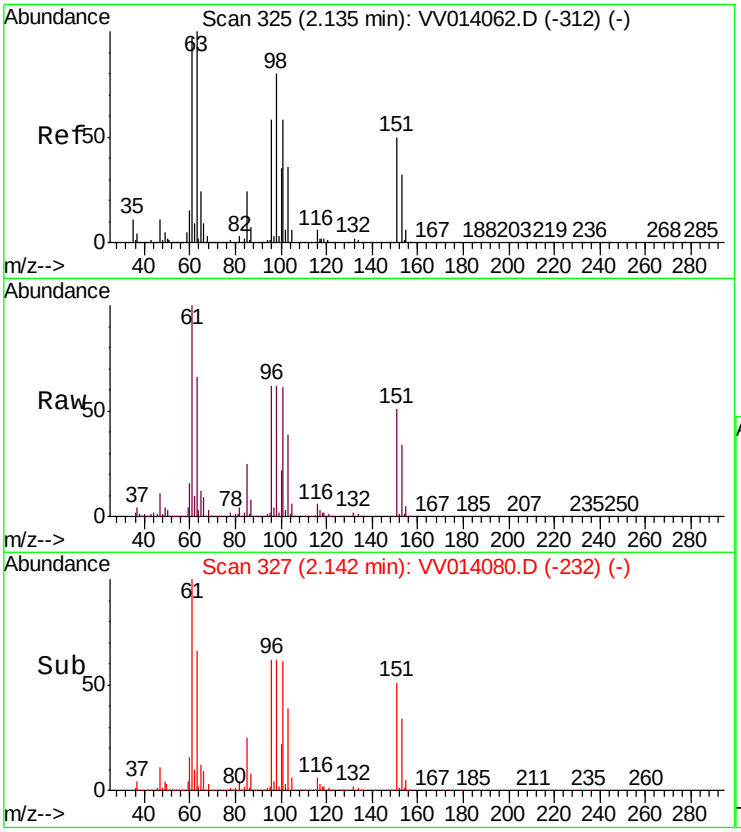




#9
Trichlorofluoromethane
Concen: 5.089 ug/L
RT: 1.77 min Scan# 212
Delta R.T. 0.00 min
Lab File: VV014080.D
Acq: 16 Dec 2019 18:23

Tgt Ion:101 Resp: 194052

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 66.5 | 52.9 | 79.3 |



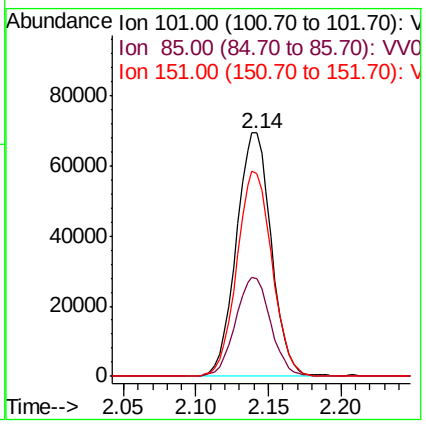


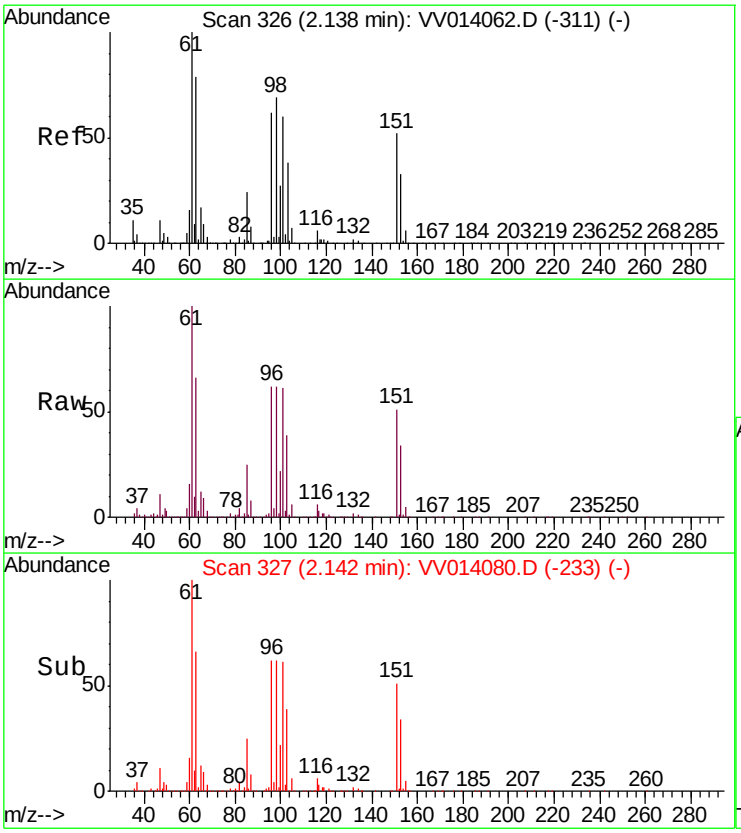

#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.133 ug/L
RT: 2.14 min Scan# 327
Delta R.T. 0.01 min
Lab File: VV014080.D
Acq: 16 Dec 2019 18:23

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00558

Tgt Ion:101 Resp: 116312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 40.9 | 33.4 | 50.0 |
| 151 | 84.7 | 69.4 | 104.0 |

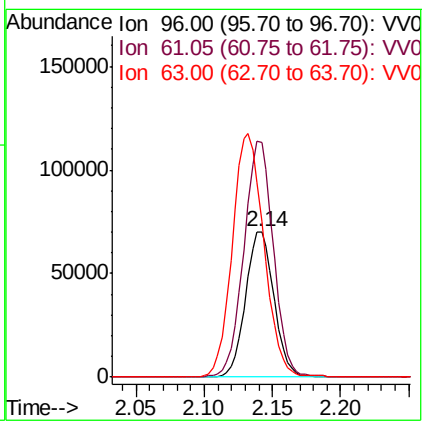


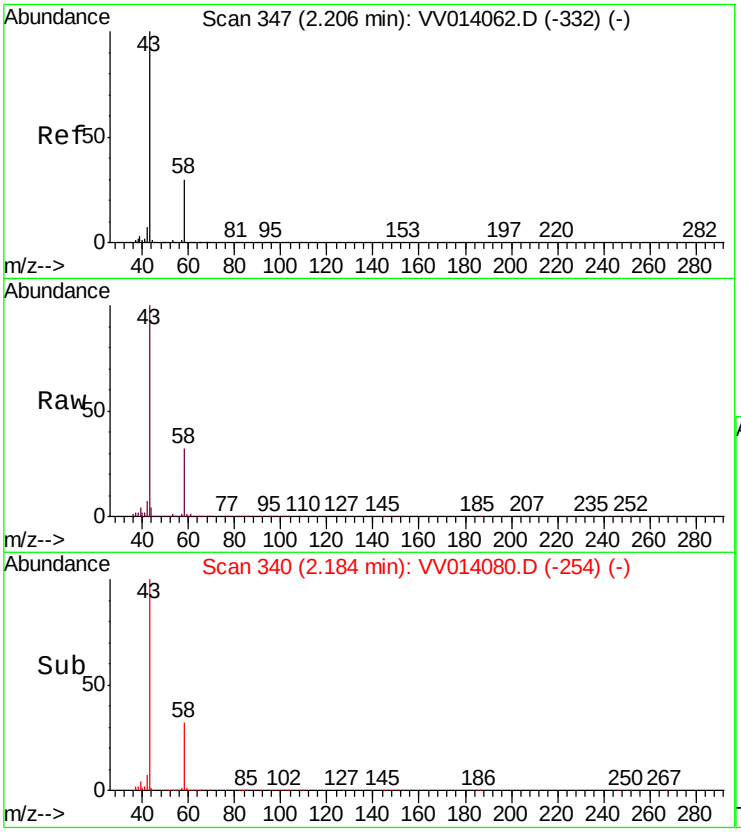




#12
1,1-Dichloroethene
Concen: 5.142 ug/L
RT: 2.14 min Scan# 327
Delta R.T. 0.00 min
Lab File: VV014080.D
Acq: 16 Dec 2019 18:23

Tgt Ion: 96 Resp: 101622

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 161.0 | 116.3 | 215.9 |
| 63 | 106.9 | 96.7 | 179.7 |



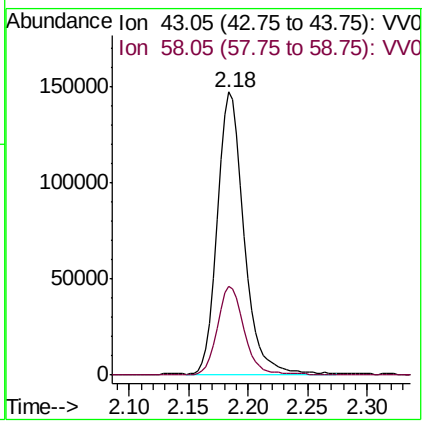


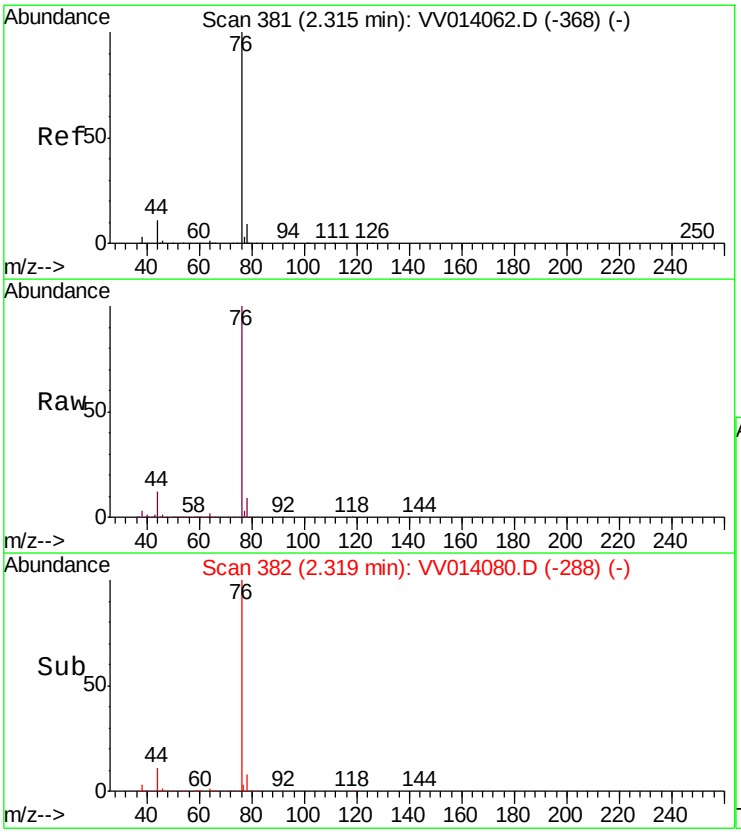

#13
Acetone
Concen:  61.468 ug/L
RT: 2.18 min  Scan# 340
Delta R.T.  -0.02 min
Lab File:  VV014080.D
Acq: 16 Dec 2019  18:23

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00558

Tgt Ion: 43 Resp:  227336

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 31.4 | 0.0 | 27.2# |

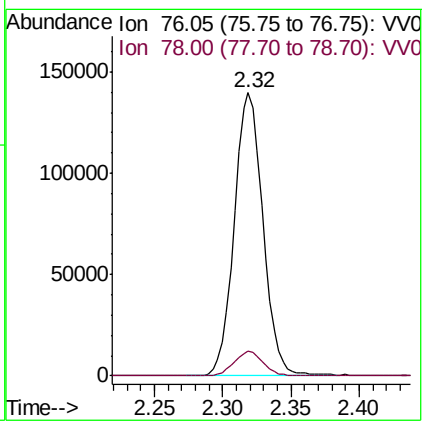


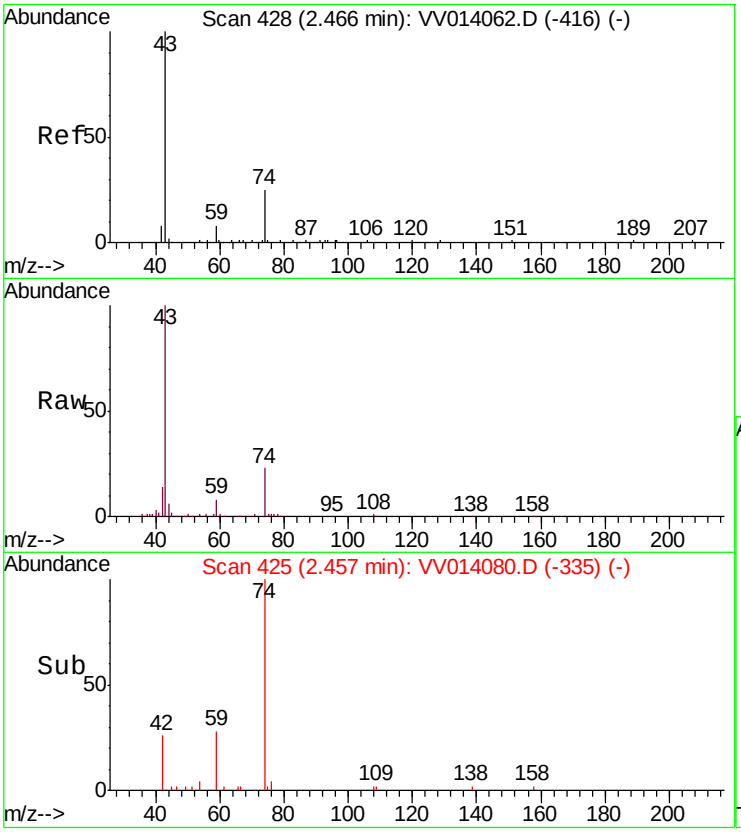




#14
Carbon disulfide
Concen:  4.466 ug/L
RT: 2.32 min  Scan# 382
Delta R.T.  0.00 min
Lab File:  VV014080.D
Acq: 16 Dec 2019  18:23

Tgt Ion: 76 Resp:  203780

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.6 | 7.5 | 11.3 |



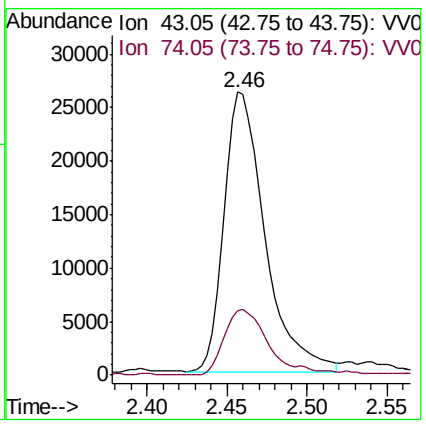


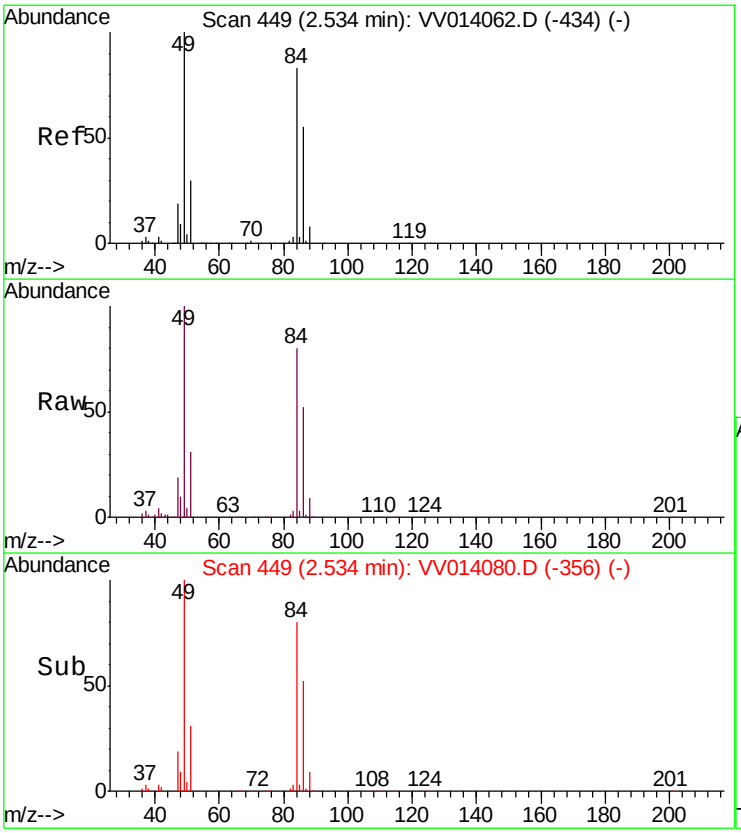

#15
Methyl Acetate
Concen: 5.532 ug/L
RT: 2.46 min Scan# 425
Delta R.T. -0.01 min
Lab File: VV014080.D
Acq: 16 Dec 2019 18:23

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00558

Tgt Ion: 43 Resp: 45802

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 25.3 | 20.5 | 30.7 |

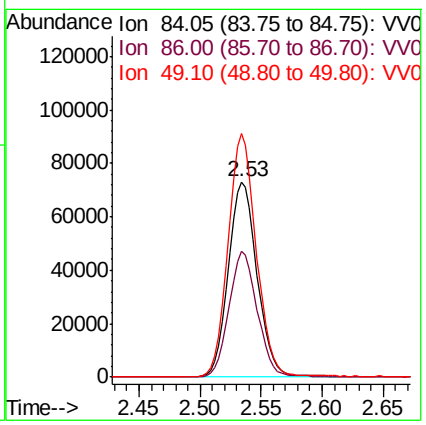


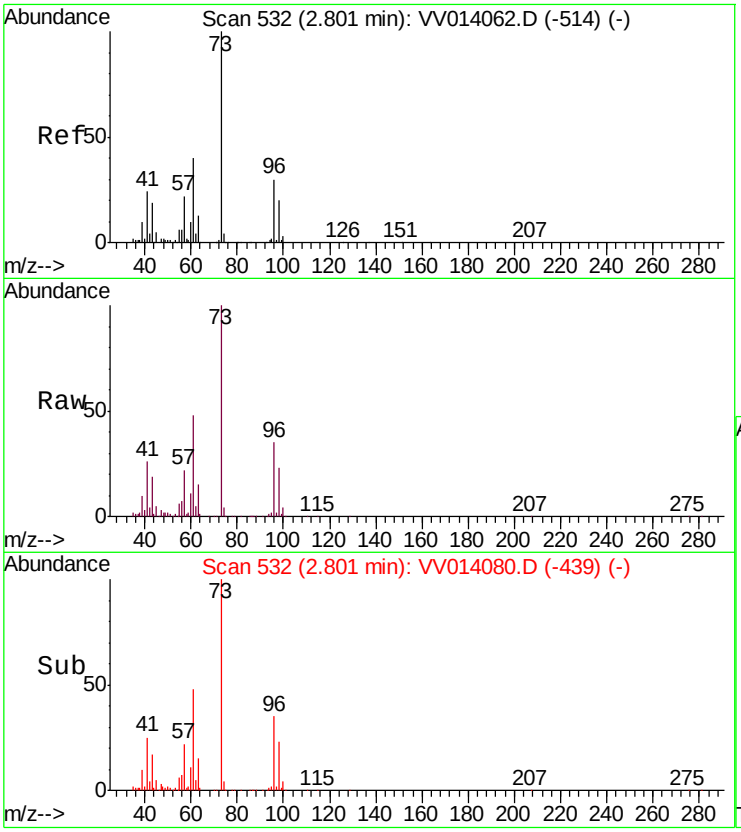




#16
Methylene chloride
Concen: 4.464 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV014080.D
Acq: 16 Dec 2019 18:23

Tgt Ion: 84 Resp: 120849

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 64.2 | 44.0 | 81.6 |
| 49 | 124.6 | 81.5 | 151.5 |



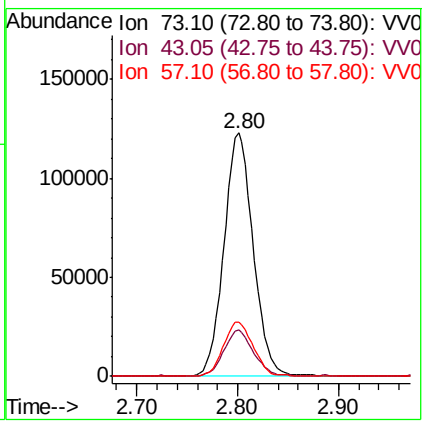


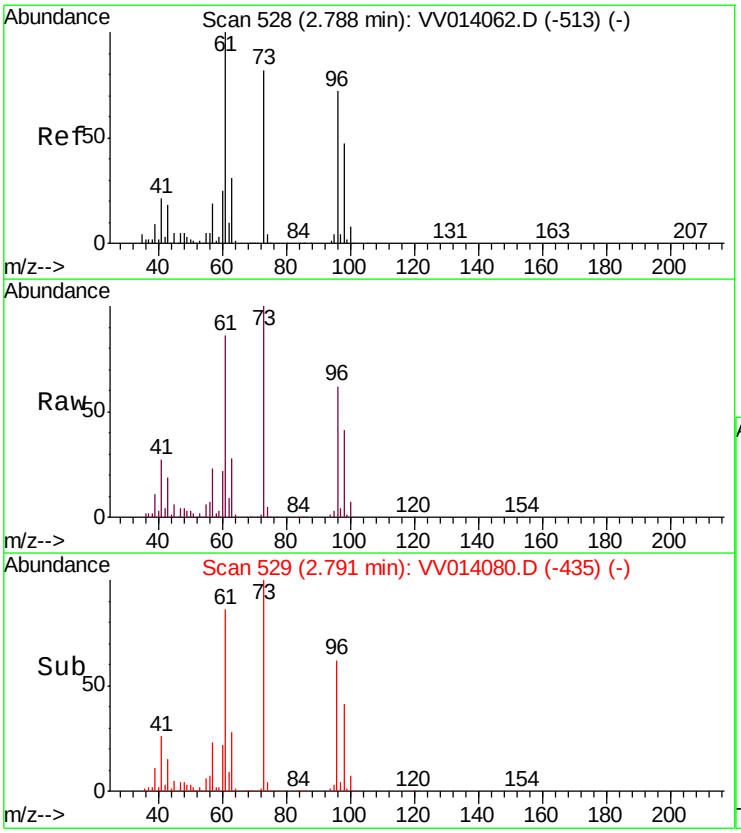

#17
Methyl tert-butyl Ether
Concen: 4.598 ug/L
RT: 2.80 min Scan# 532
Delta R.T. 0.00 min
Lab File: VV014080.D
Acq: 16 Dec 2019 18:23

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00558

Tgt Ion: 73 Resp: 248679

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 43 | 18.9 | 15.5 | 23.3 |
| 57 | 22.8 | 17.5 | 26.3 |

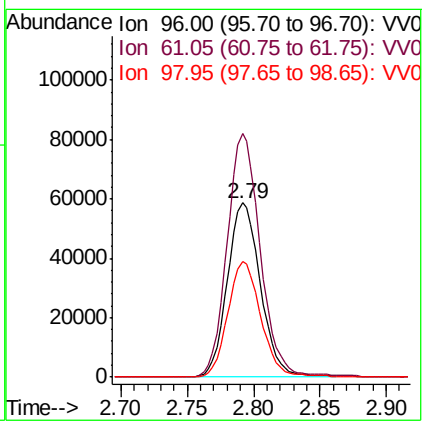


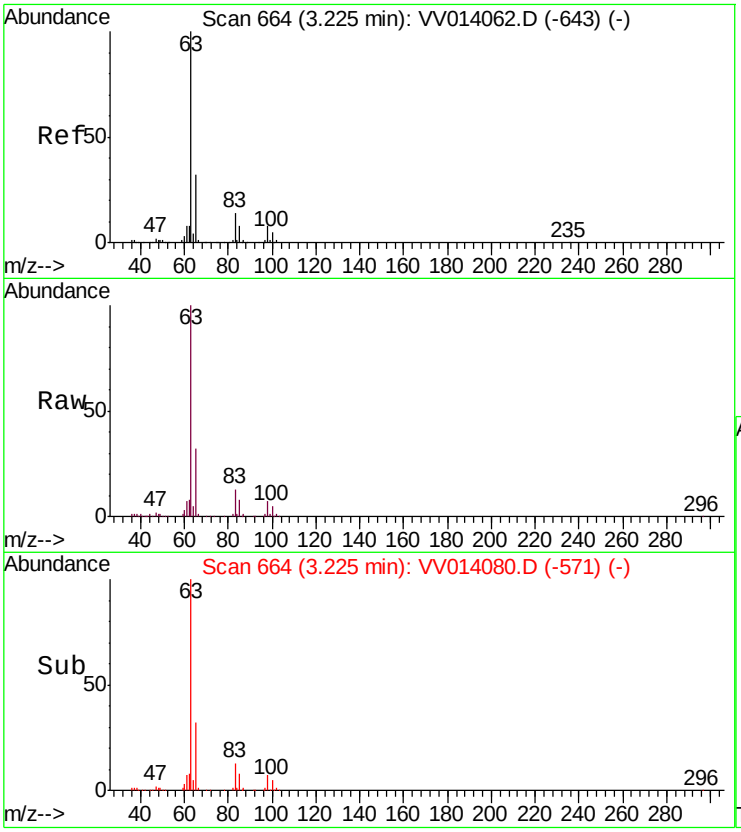




#18
trans-1,2-Dichloroethene
Concen: 4.569 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV014080.D
Acq: 16 Dec 2019 18:23

Tgt Ion: 96 Resp: 101957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 139.6 | 95.1 | 176.7 |
| 98 | 65.9 | 46.5 | 86.3 |



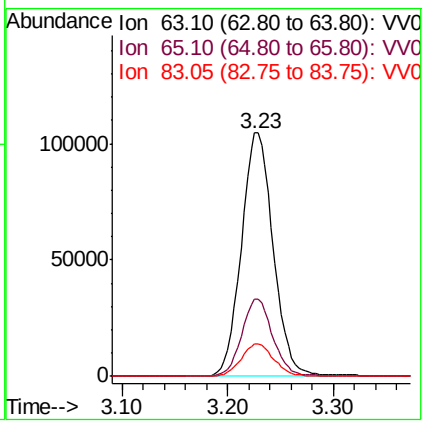


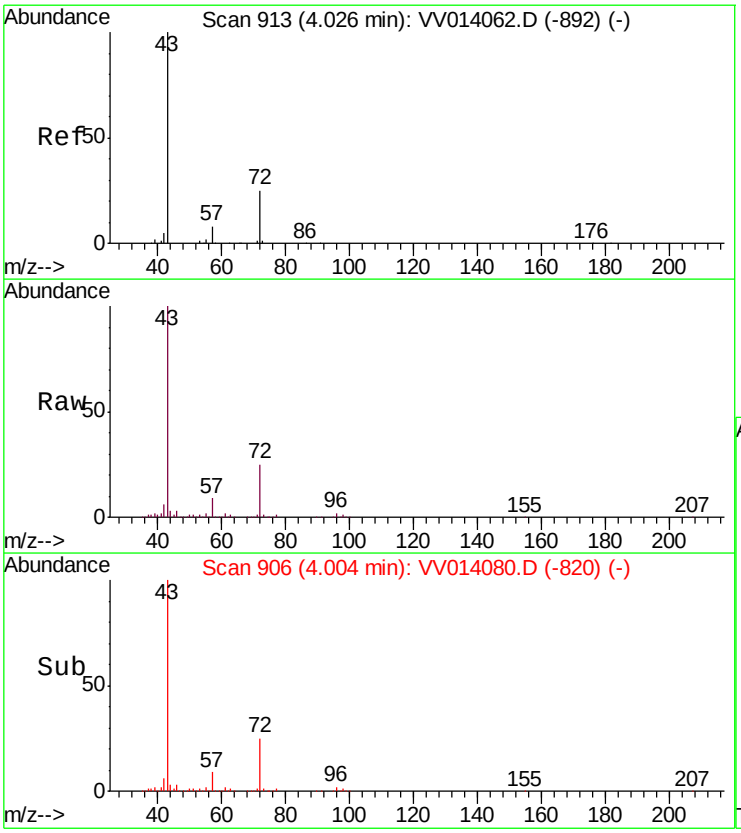

#19
1,1-Dichloroethane
Concen: 4.938 ug/L
RT: 3.23 min Scan# 664
Delta R.T. 0.00 min
Lab File: VV014080.D
Acq: 16 Dec 2019 18:23

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00558

Tgt Ion: 63 Resp: 220013

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.6 | 22.7 | 42.1 |
| 83 | 13.1 | 9.2 | 17.2 |

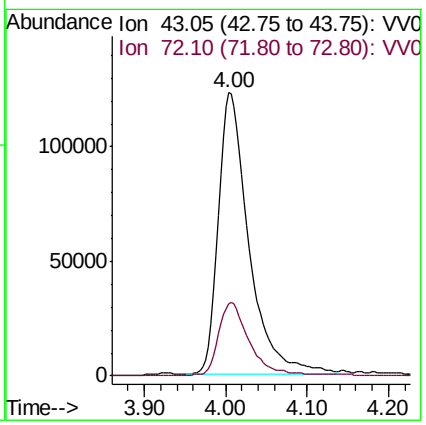


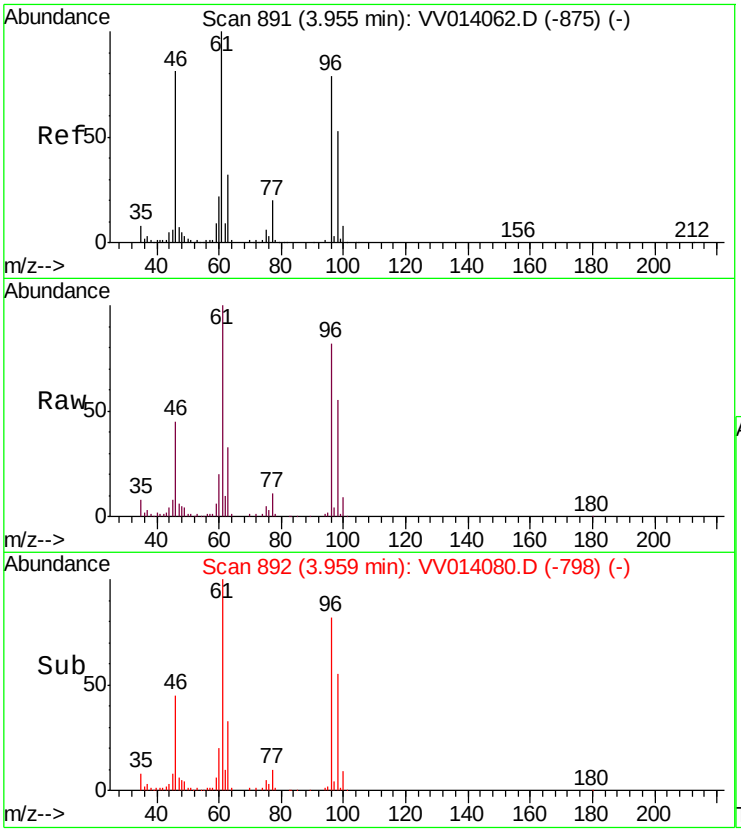




#21
2-Butanone
Concen: 58.231 ug/L
RT: 4.00 min Scan# 906
Delta R.T. -0.02 min
Lab File: VV014080.D
Acq: 16 Dec 2019 18:23

Tgt Ion: 43 Resp: 325533

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 25.5 | 12.3 | 36.9 |



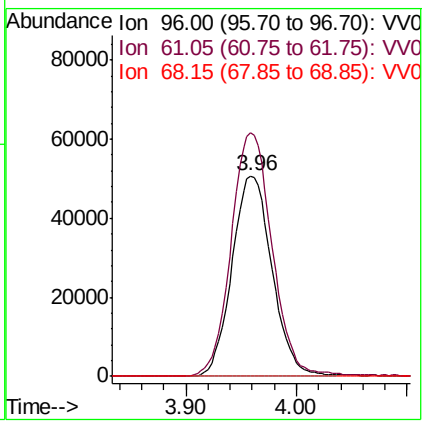


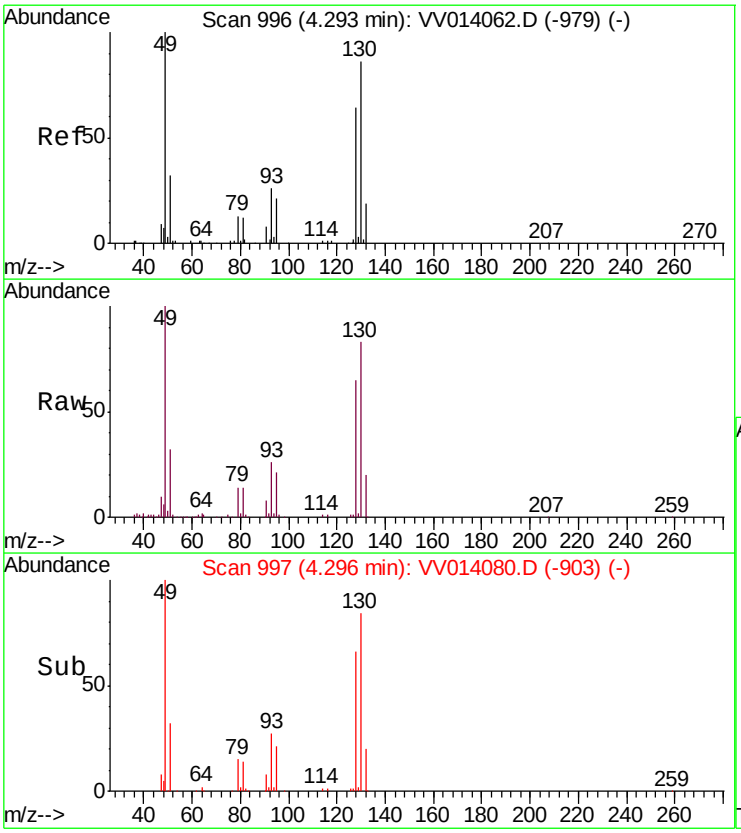

#22
cis-1,2-Dichloroethene
Concen: 4.859 ug/L
RT: 3.96 min Scan# 892
Delta R.T. 0.00 min
Lab File: VV014080.D
Acq: 16 Dec 2019 18:23

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00558

Tgt Ion: 96 Resp: 127148

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 121.4 | 86.1 | 159.9 |
| 68 | 0.0 | 0.0 | 0.0 |

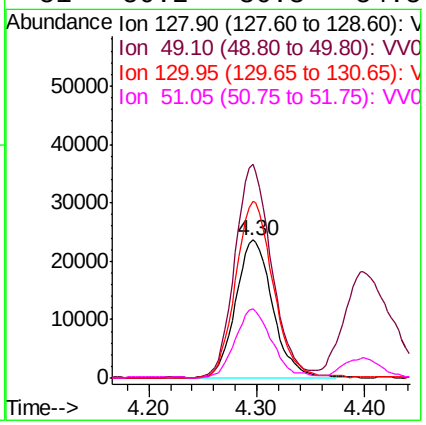


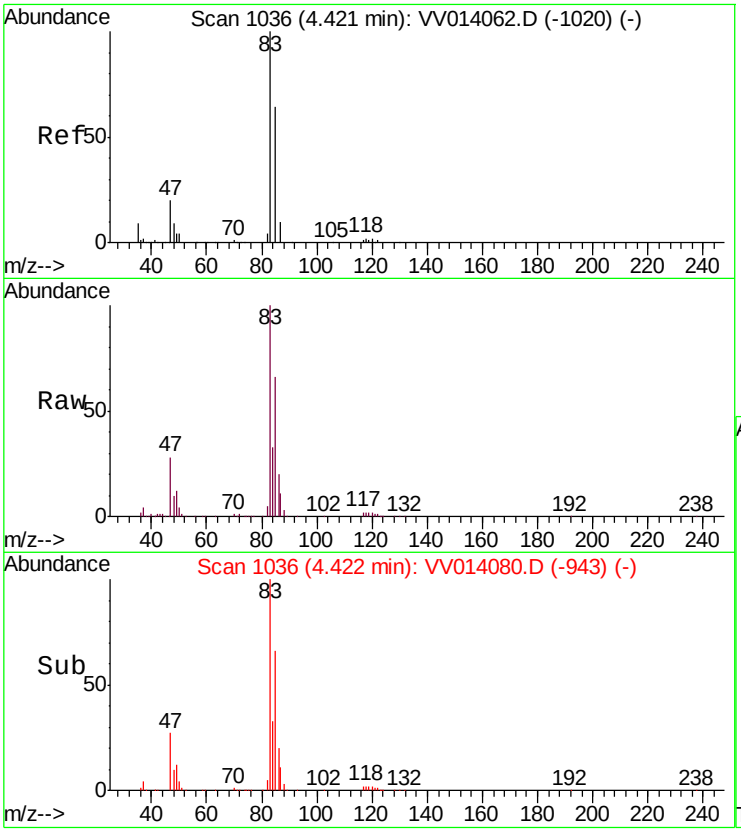




#23
Bromochloromethane
Concen: 4.939 ug/L
RT: 4.30 min Scan# 997
Delta R.T. 0.00 min
Lab File: VV014080.D
Acq: 16 Dec 2019 18:23

Tgt Ion:128 Resp: 56794

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 49 | 154.6 | 100.1 | 185.9 |
| 130 | 127.9 | 89.0 | 165.4 |
| 51 | 50.2 | 36.3 | 54.5 |



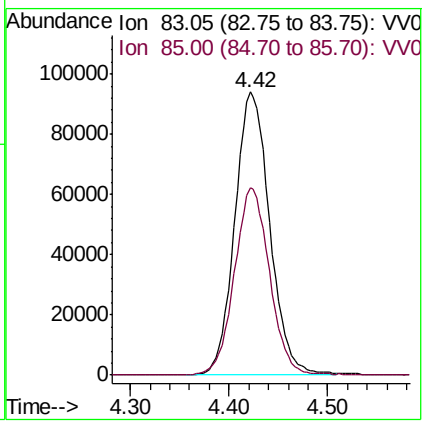


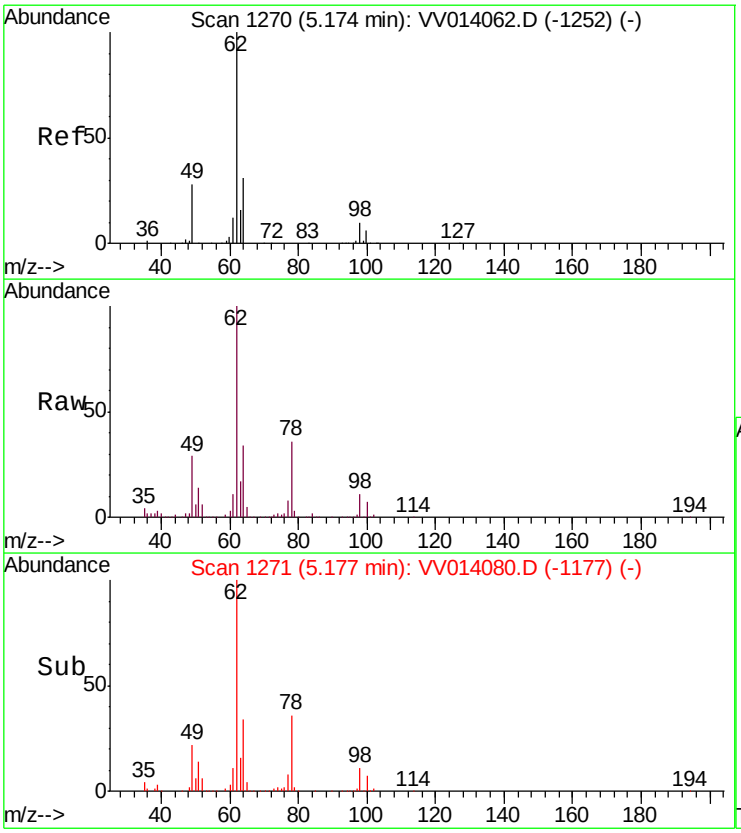

#25
Chloroform
Concen: 4.883 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VV014080.D
Acq: 16 Dec 2019 18:23

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00558

Tgt Ion: 83 Resp: 230646

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 66.4 | 45.1 | 83.7 |

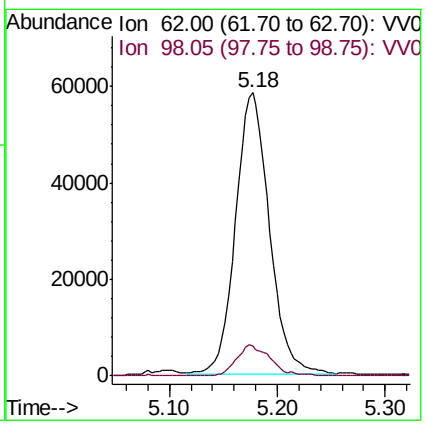


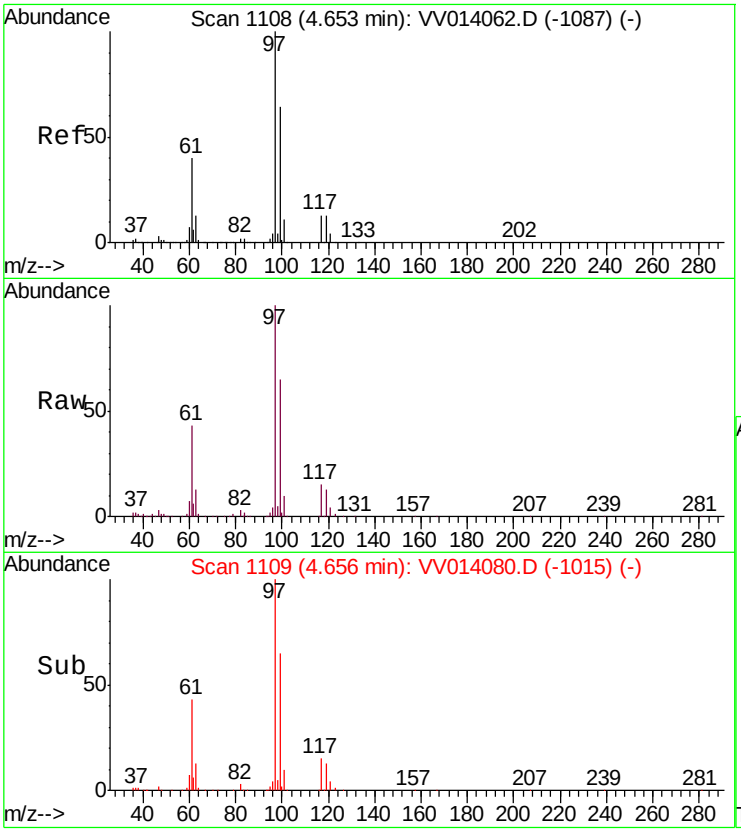




#27
1,2-Dichloroethane
Concen: 4.678 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VV014080.D
Acq: 16 Dec 2019 18:23

Tgt Ion: 62 Resp: 126450

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 10.6 | 8.2 | 12.2 |



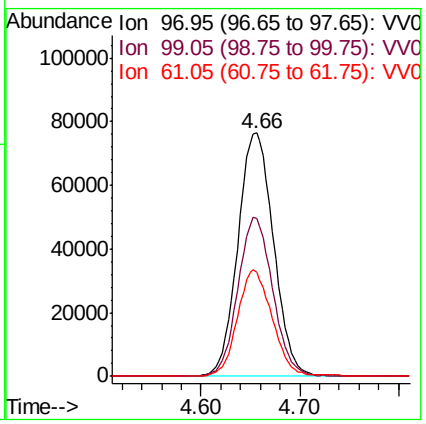


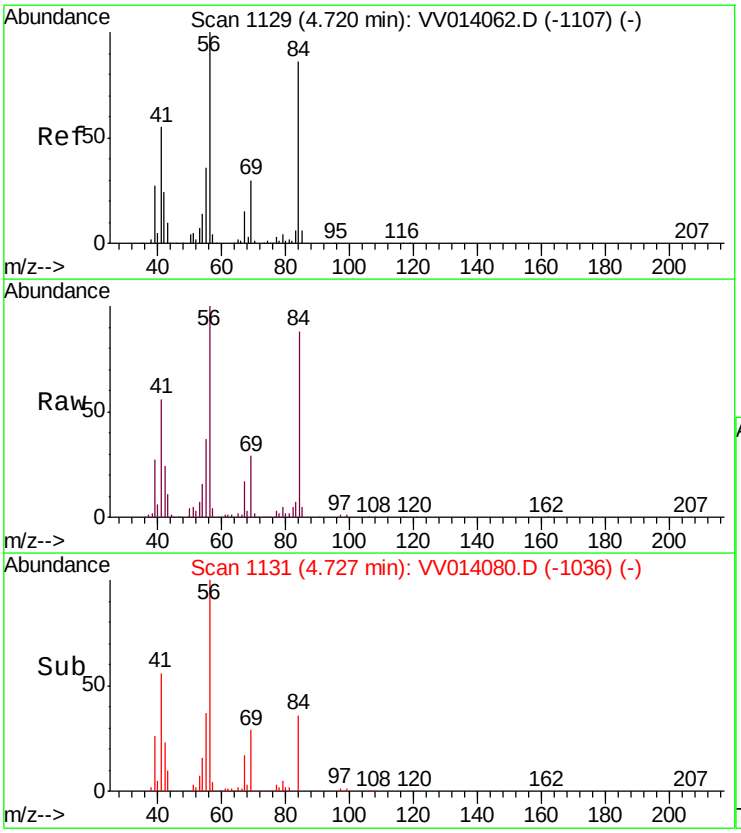

#29
1,1,1-Trichloroethane
Concen: 4.578 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. 0.00 min
Lab File: VV014080.D
Acq: 16 Dec 2019 18:23

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00558

Tgt Ion: 97 Resp: 191460

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.6 | 51.7 | 77.5 |
| 61 | 42.5 | 35.0 | 52.6 |

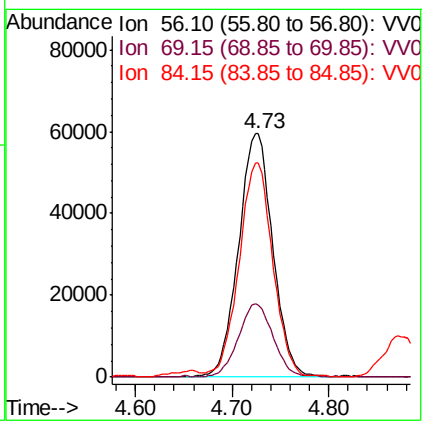


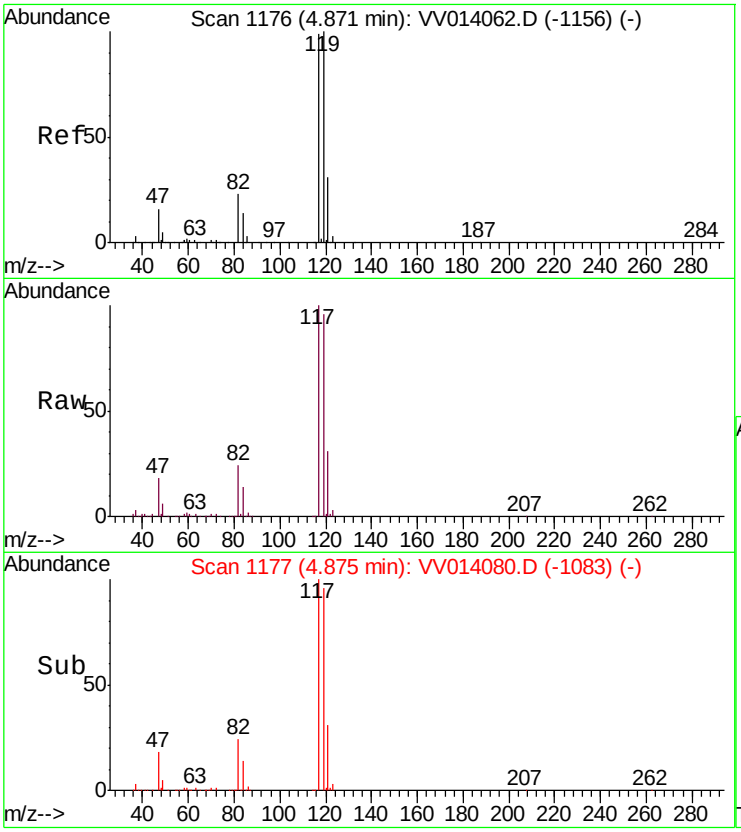




#30
Cyclohexane
Concen: 4.190 ug/L
RT: 4.73 min Scan# 1131
Delta R.T. 0.01 min
Lab File: VV014080.D
Acq: 16 Dec 2019 18:23

Tgt Ion: 56 Resp: 146411

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 30.6 | 24.1 | 36.1 |
| 84 | 86.6 | 69.9 | 104.9 |



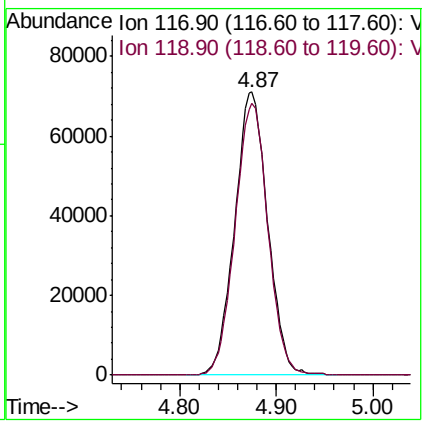


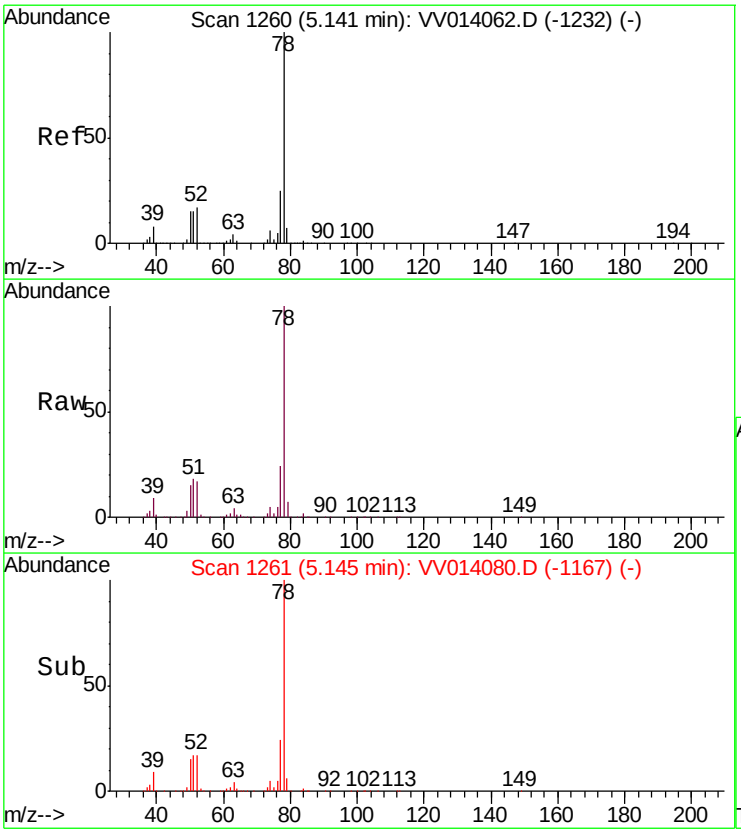

#31
Carbon tetrachloride
Concen: 4.577 ug/L
RT: 4.87 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VV014080.D
Acq: 16 Dec 2019 18:23

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00558

Tgt Ion:117 Resp: 168413

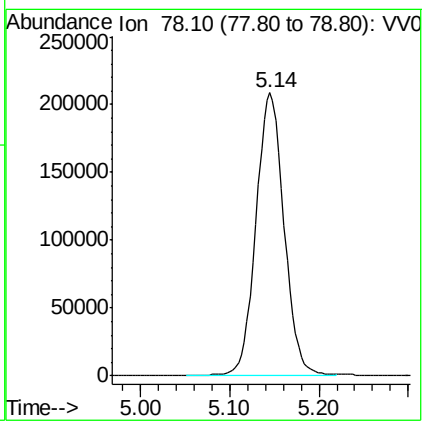
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.7 | 76.8 | 115.2 |

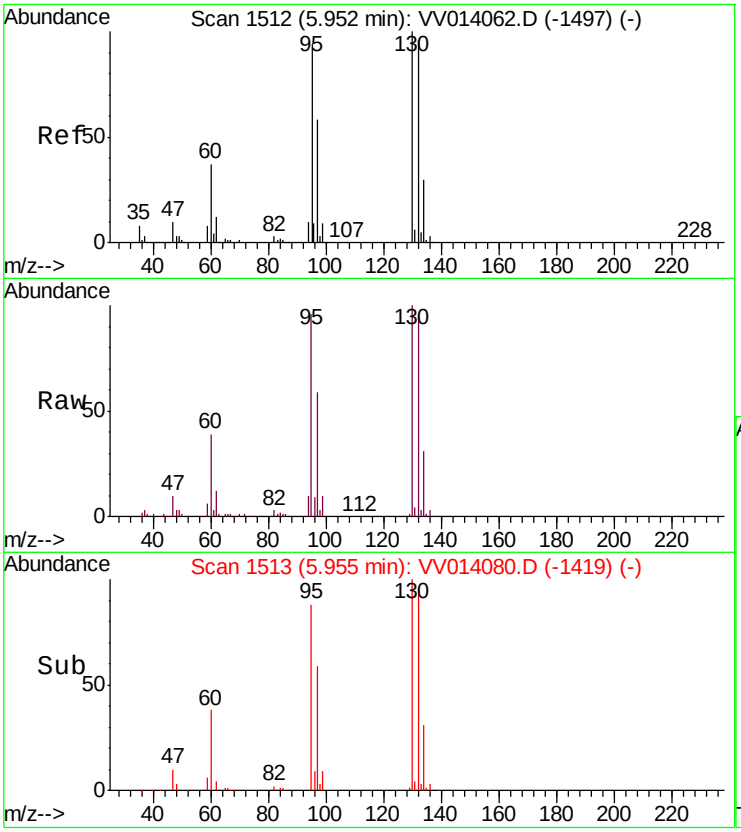



#33
Benzene
Concen: 4.587 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VV014080.D
Acq: 16 Dec 2019 18:23

Tgt Ion: 78 Resp: 459994



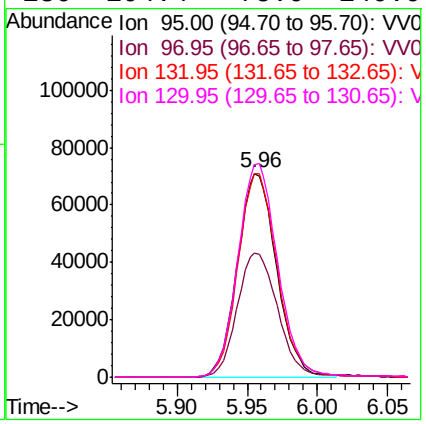


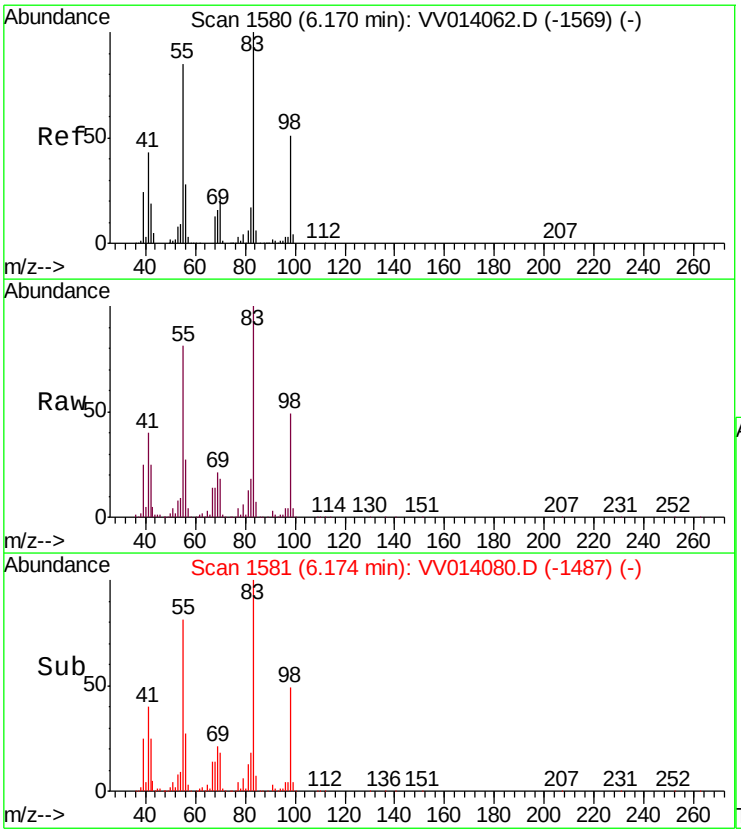

#34
Trichloroethene
Concen: 4.996 ug/L
RT: 5.96 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VV014080.D
Acq: 16 Dec 2019 18:23

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00558

Tgt Ion: 95 Resp: 138220

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 61.3 | 45.6 | 84.8 |
| 132 | 100.1 | 70.5 | 130.9 |
| 130 | 104.4 | 75.9 | 140.9 |

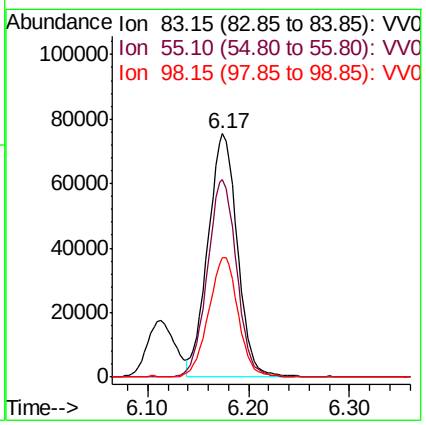


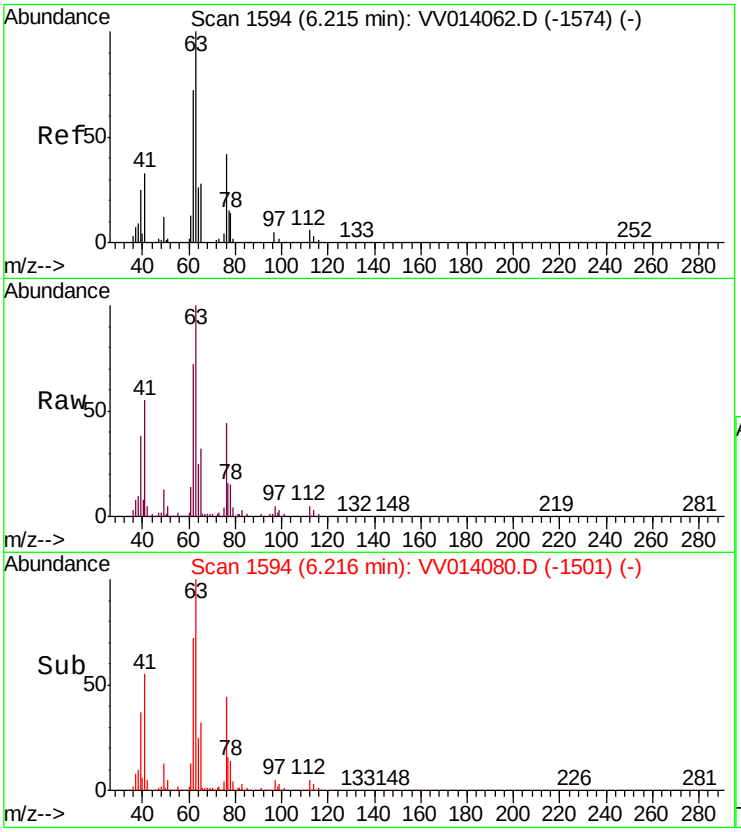




#35
Methylcyclohexane
Concen: 4.143 ug/L
RT: 6.17 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VV014080.D
Acq: 16 Dec 2019 18:23

Tgt Ion: 83 Resp: 152950

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 79.9 | 60.3 | 90.5 |
| 98 | 49.4 | 38.1 | 57.1 |



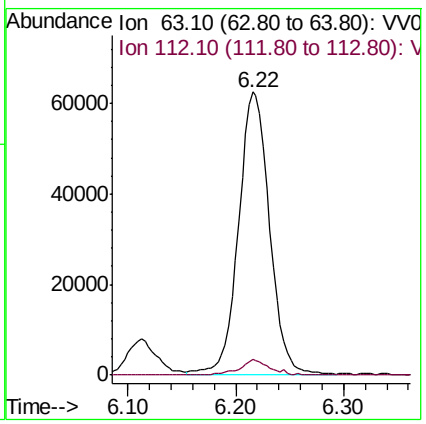


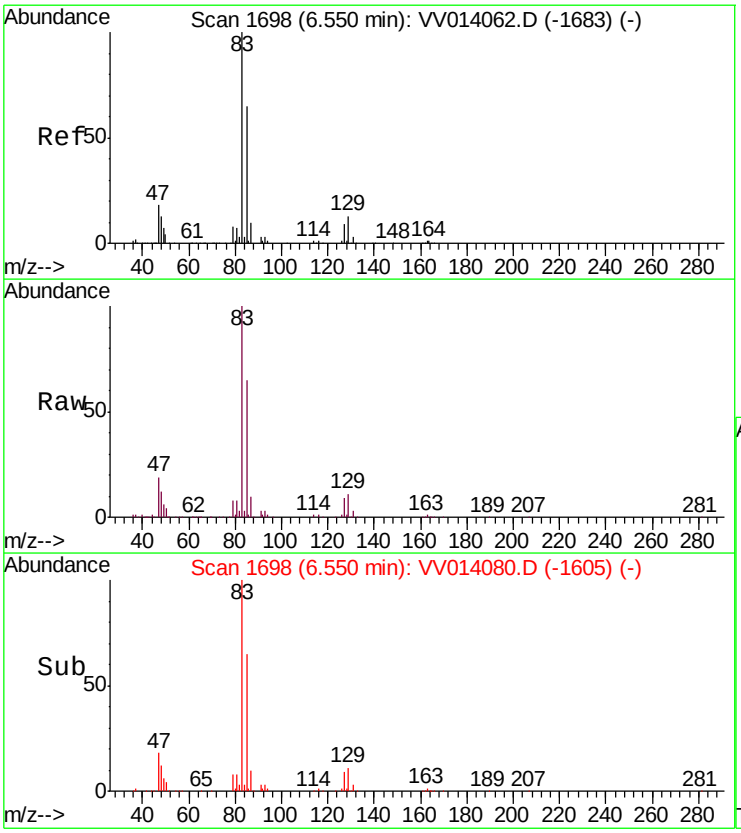

#37
1,2-Dichloropropane
Concen: 4.817 ug/L
RT: 6.22 min Scan# 1594
Delta R.T. 0.00 min
Lab File: VV014080.D
Acq: 16 Dec 2019 18:23

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00558

Tgt Ion: 63 Resp: 124160

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 5.4 | 4.4 | 6.6 |

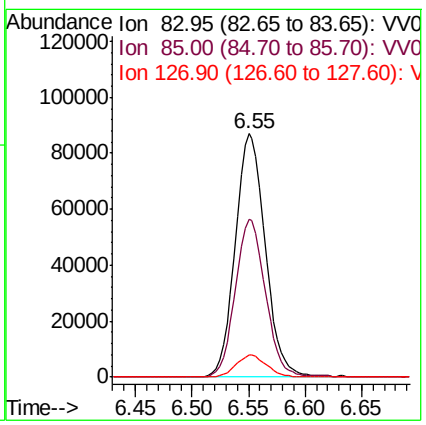


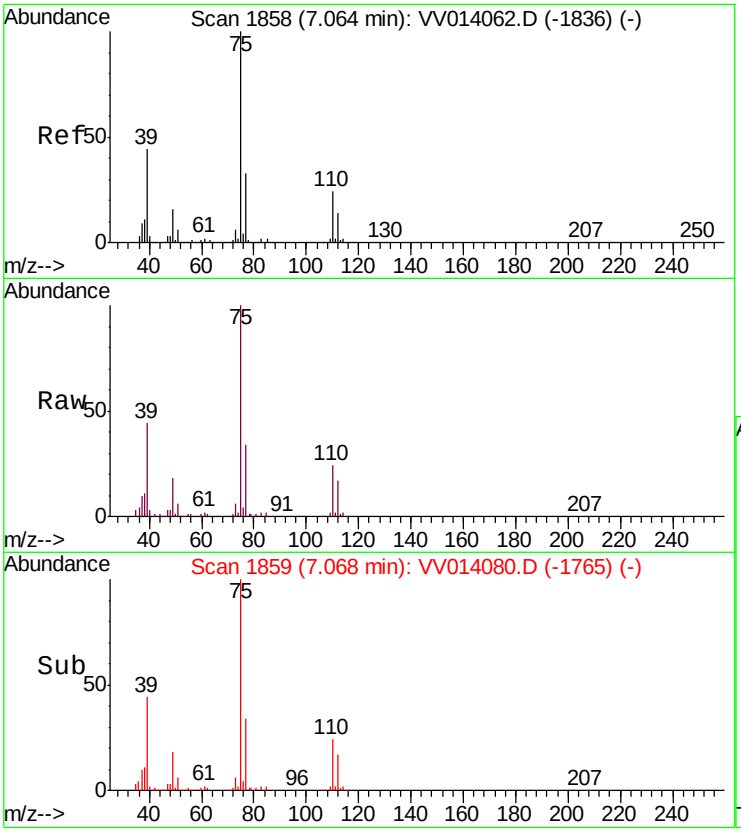




#38
Bromodichloromethane
Concen: 4.739 ug/L
RT: 6.55 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VV014080.D
Acq: 16 Dec 2019 18:23

Tgt Ion: 83 Resp: 161164

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.7 | 46.1 | 85.5 |
| 127 | 9.0 | 7.5 | 11.3 |



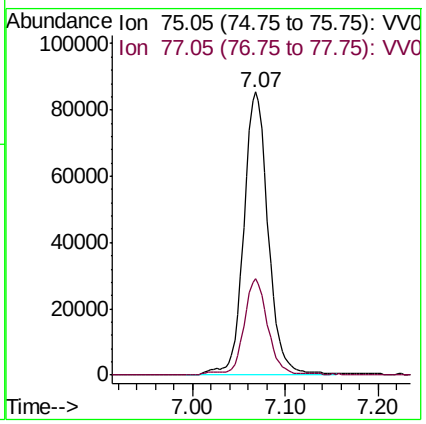


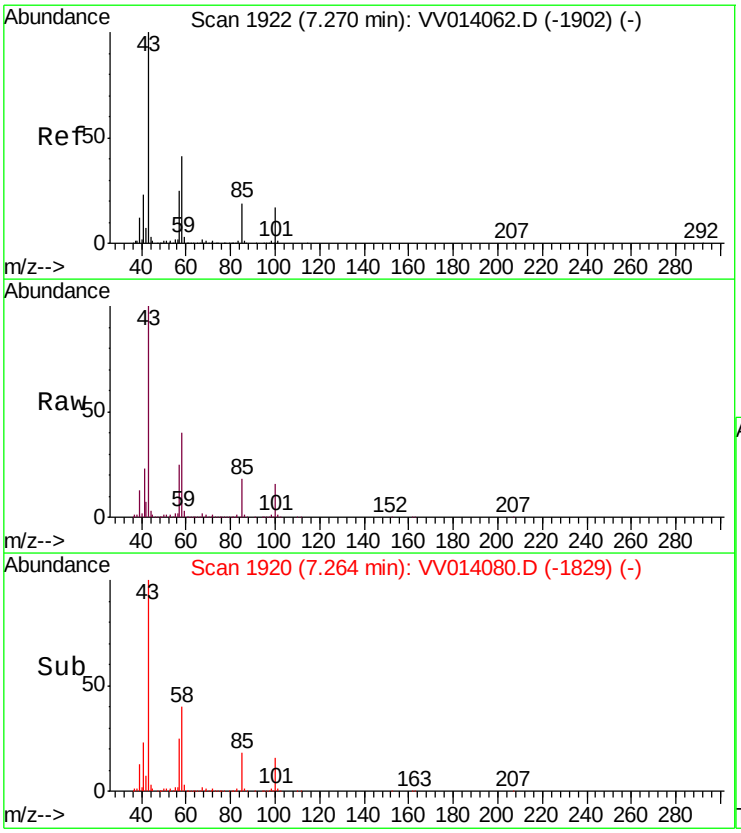

#39
cis-1,3-Dichloropropene
Concen: 4.283 ug/L
RT: 7.07 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VV014080.D
Acq: 16 Dec 2019 18:23

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00558

Tgt Ion: 75 Resp: 156632

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 33.9 | 22.5 | 41.9 |

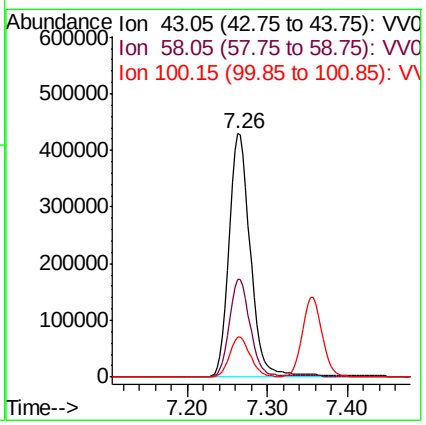


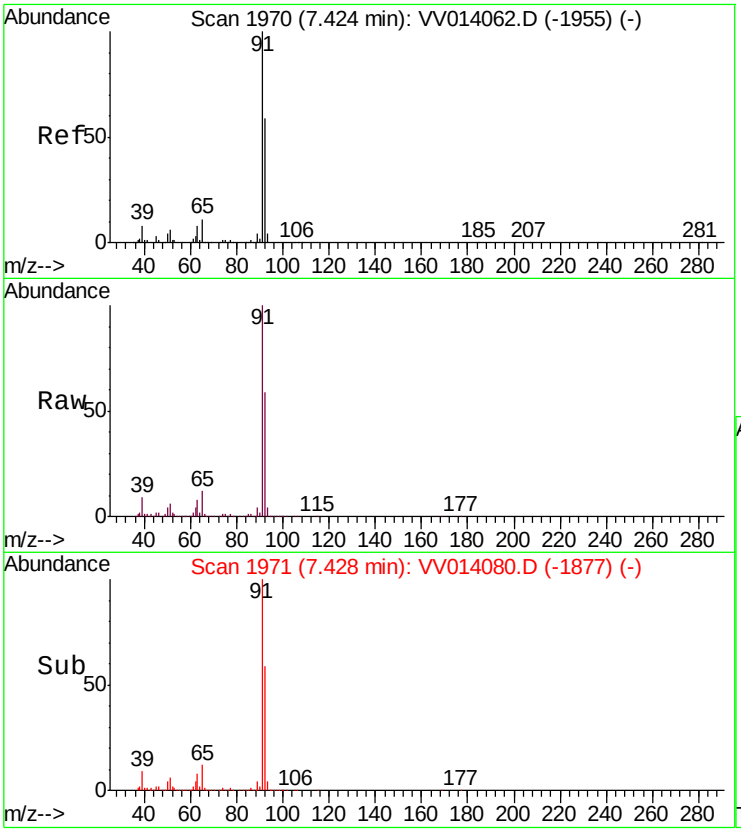




#40
4-Methyl-2-pentanone
Concen: 52.077 ug/L
RT: 7.26 min Scan# 1920
Delta R.T. -0.01 min
Lab File: VV014080.D
Acq: 16 Dec 2019 18:23

Tgt Ion: 43 Resp: 783218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 39.3 | 32.3 | 48.5 |
| 100 | 15.9 | 12.7 | 19.1 |



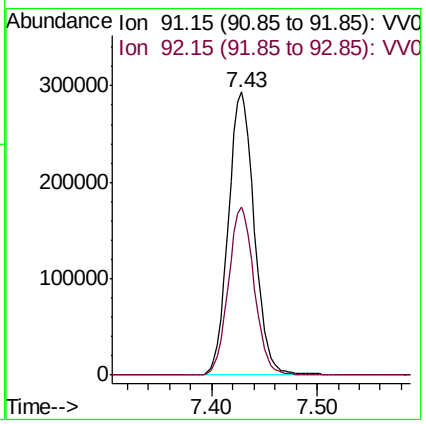


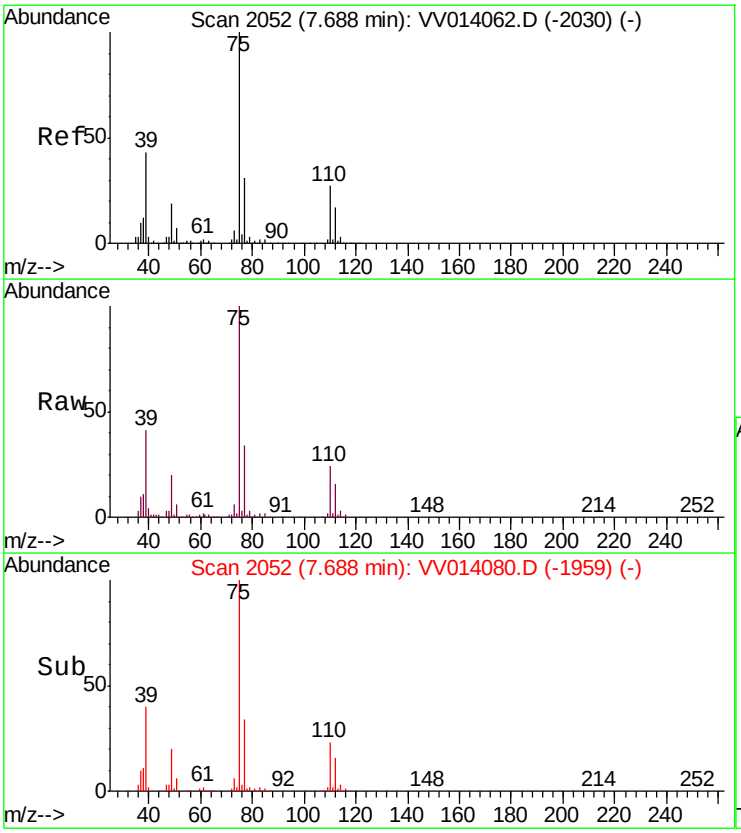

#42
Toluene
Concen: 4.640 ug/L
RT: 7.43 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VV014080.D
Acq: 16 Dec 2019 18:23

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00558

Tgt Ion: 91 Resp: 499148

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 59.3 | 41.1 | 76.3 |

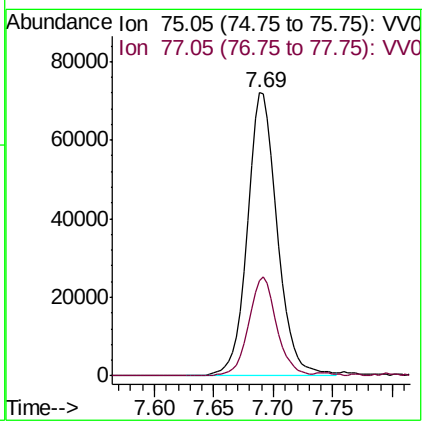


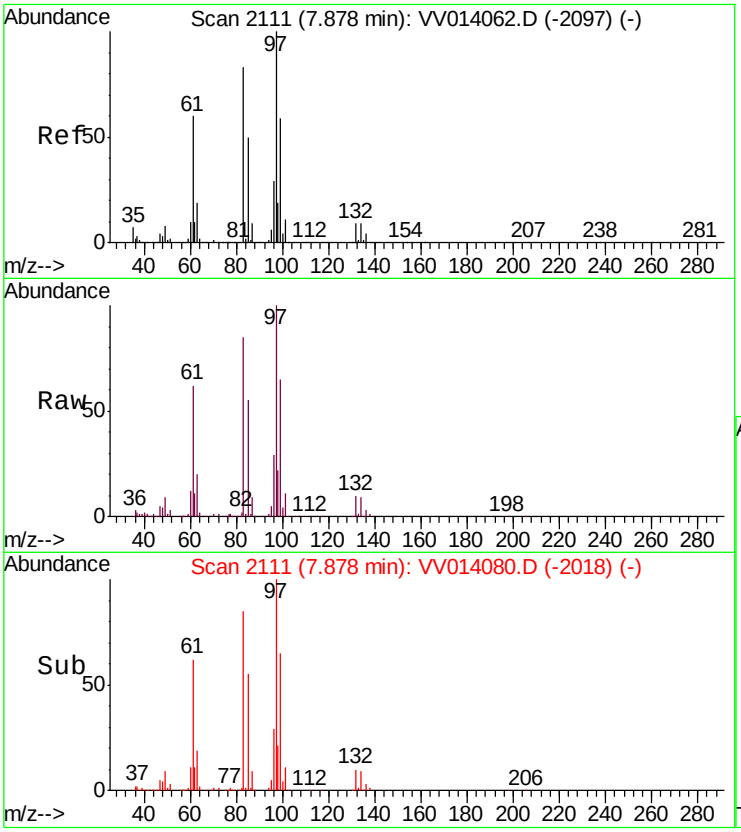




#44
trans-1,3-Dichloropropene
Concen: 4.381 ug/L
RT: 7.69 min Scan# 2052
Delta R.T. 0.00 min
Lab File: VV014080.D
Acq: 16 Dec 2019 18:23

Tgt Ion: 75 Resp: 125428

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 33.7 | 23.0 | 42.8 |



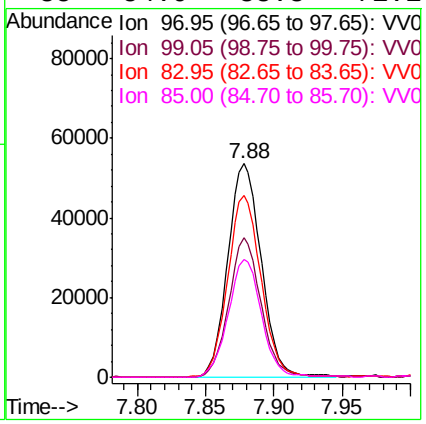


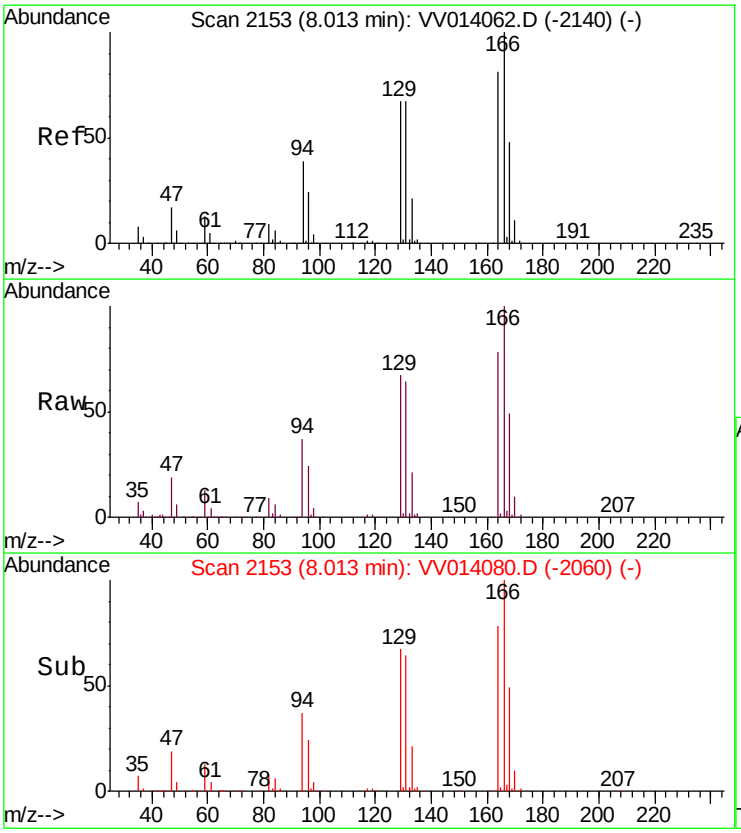

#45
1,1,2-Trichloroethane
Concen: 4.975 ug/L
RT: 7.88 min Scan# 2111
Delta R.T. 0.00 min
Lab File: VV014080.D
Acq: 16 Dec 2019 18:23

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00558

Tgt Ion: 97 Resp: 91393

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 65.1 | 44.2 | 82.0 |
| 83 | 85.4 | 59.7 | 110.9 |
| 85 | 54.9 | 38.3 | 71.1 |

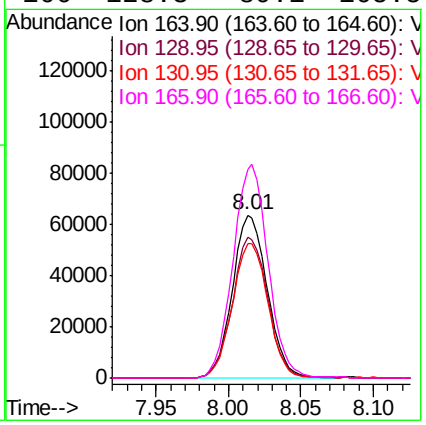


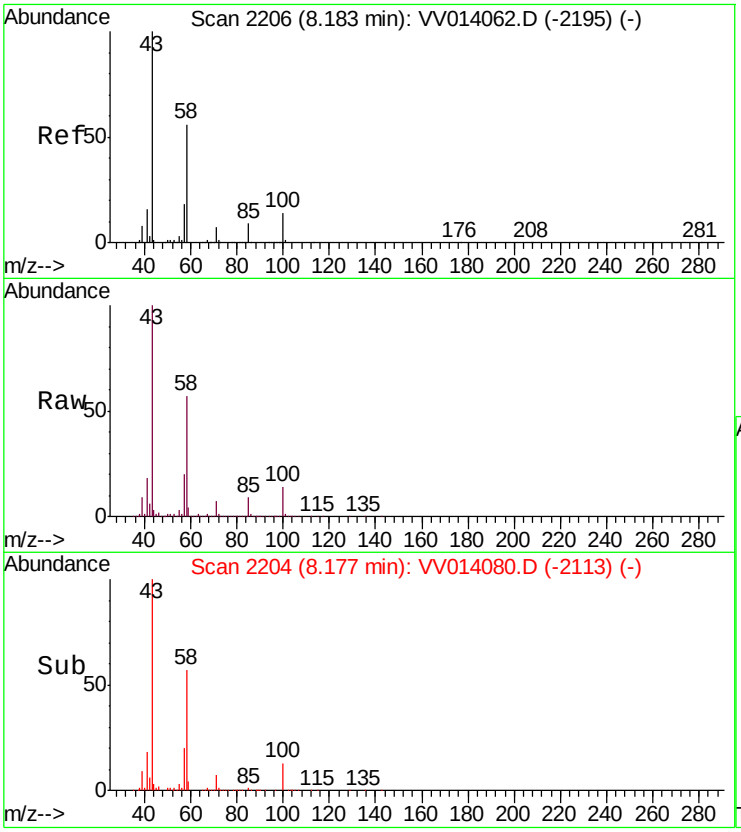




#47
Tetrachloroethene
Concen: 4.431 ug/L
RT: 8.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VV014080.D
Acq: 16 Dec 2019 18:23

Tgt Ion:164 Resp: 106445

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 86.3 | 60.3 | 112.1 |
| 131 | 82.5 | 59.9 | 111.3 |
| 166 | 128.3 | 89.1 | 165.5 |



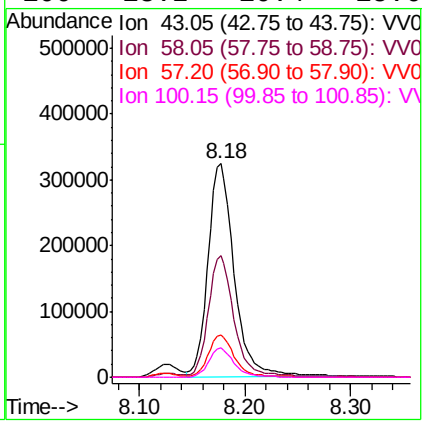


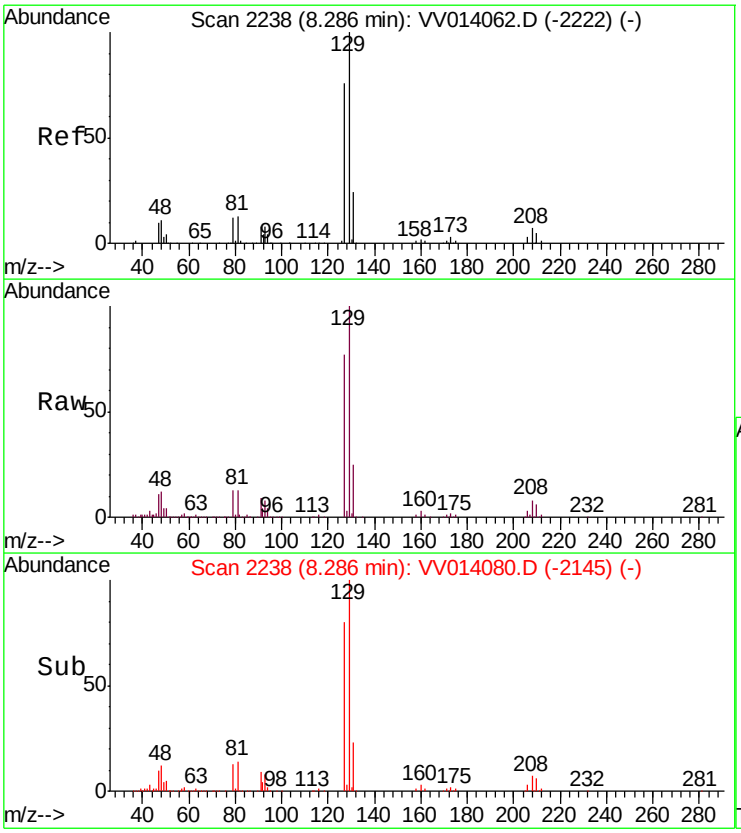

#48
2-Hexanone
Concen: 51.932 ug/L
RT: 8.18 min Scan# 2204
Delta R.T. -0.01 min
Lab File: VV014080.D
Acq: 16 Dec 2019 18:23

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00558

Tgt Ion: 43 Resp: 557495

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 55.3 | 43.2 | 64.8 |
| 57 | 19.5 | 15.4 | 23.2 |
| 100 | 13.2 | 10.4 | 15.6 |

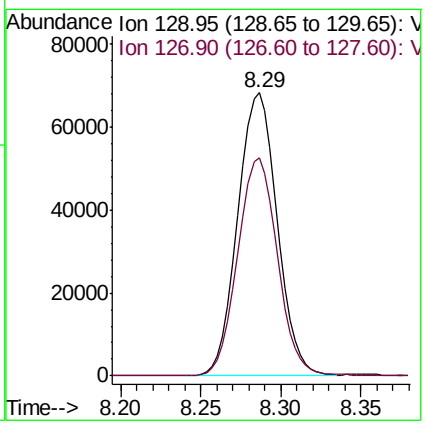


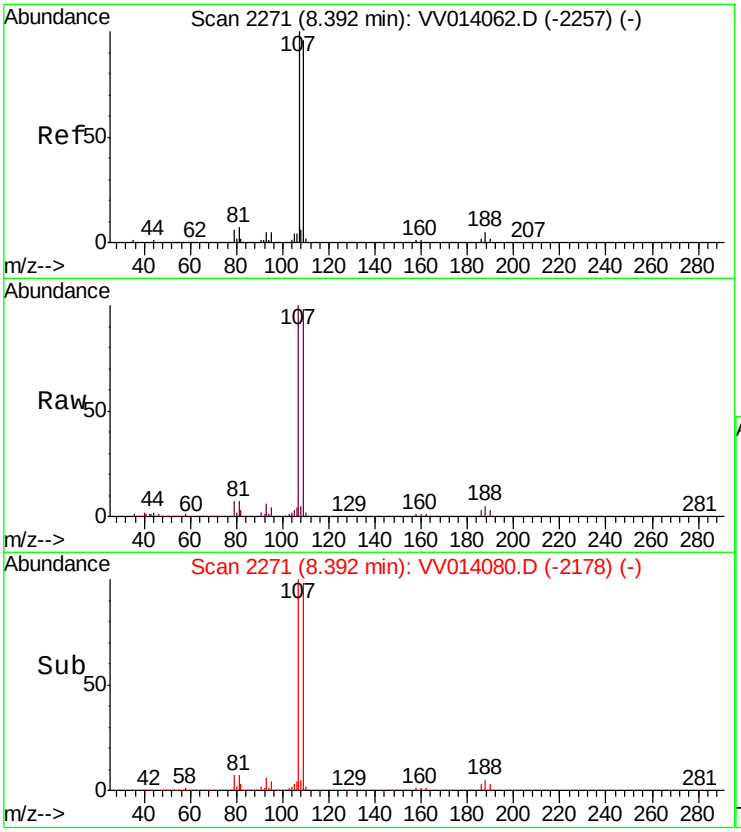




#49
Dibromochloromethane
Concen: 4.885 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV014080.D
Acq: 16 Dec 2019 18:23

Tgt Ion:129 Resp: 115083

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.0 | 55.7 | 103.5 |



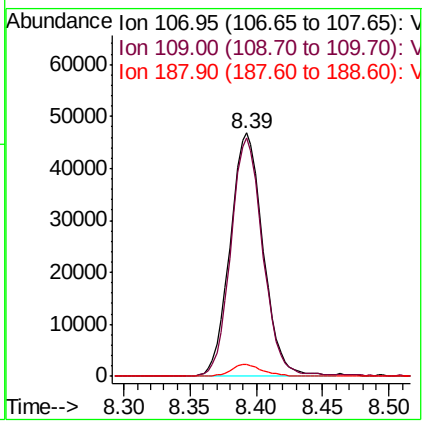


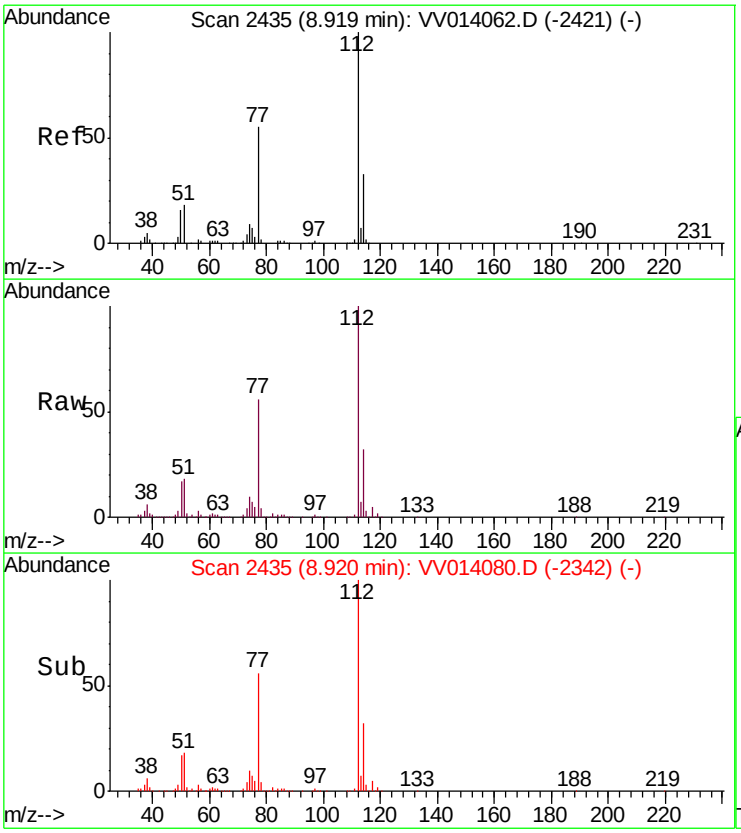

#50
1,2-Dibromoethane
Concen: 4.872 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV014080.D
Acq: 16 Dec 2019 18:23

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00558

Tgt Ion:107 Resp: 81044

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 97.9 | 65.2 | 121.0 |
| 188 | 4.7 | 4.2 | 6.2 |

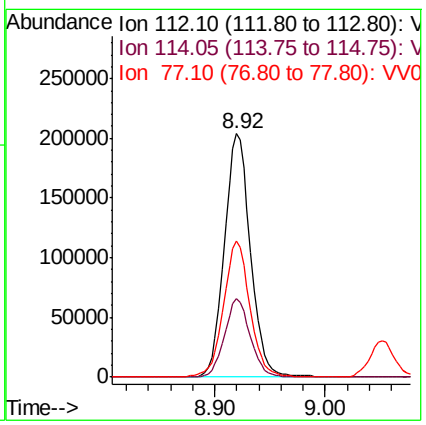


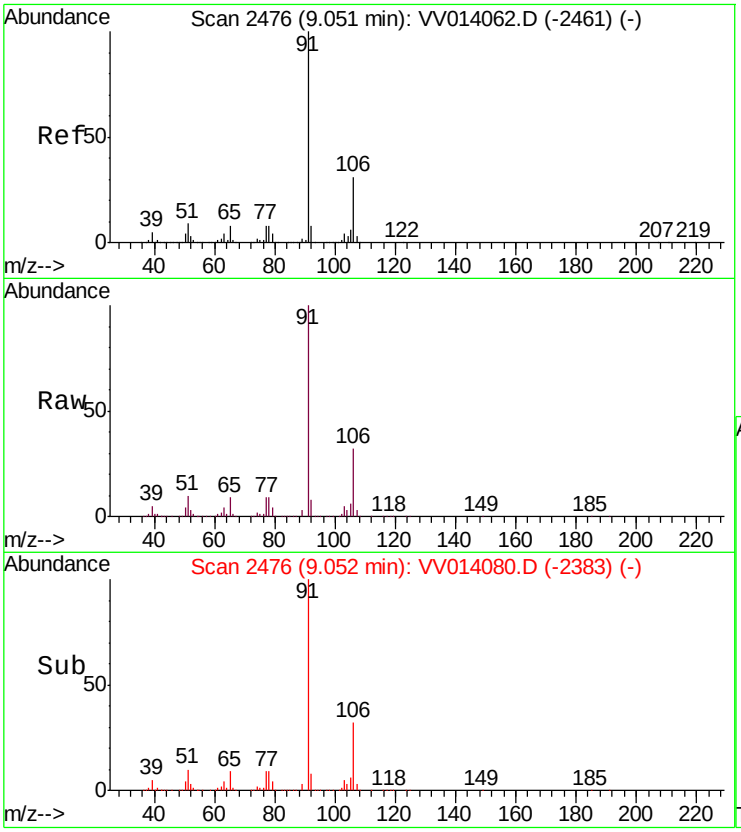




#51
Chlorobenzene
Concen: 4.452 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. 0.00 min
Lab File: VV014080.D
Acq: 16 Dec 2019 18:23

Tgt Ion:112 Resp: 333229

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.0 | 21.8 | 40.6 |
| 77 | 55.7 | 44.2 | 66.4 |



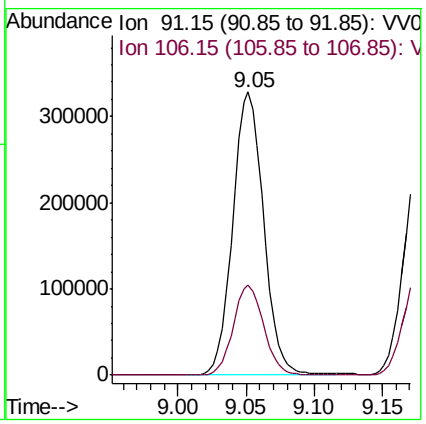


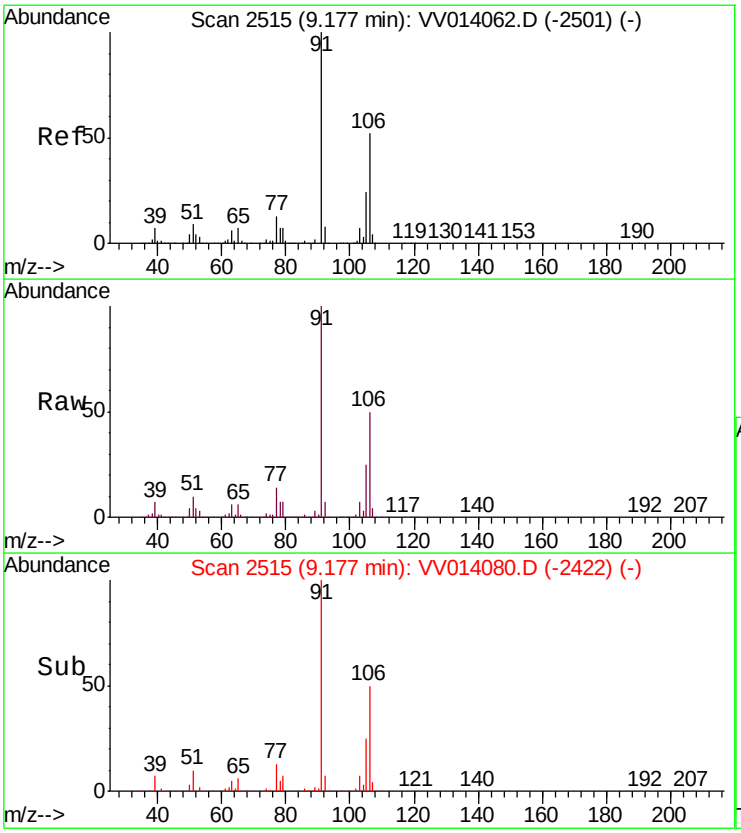

#52
Ethylbenzene
Concen: 4.411 ug/L
RT: 9.05 min Scan# 2476
Delta R.T. 0.00 min
Lab File: VV014080.D
Acq: 16 Dec 2019 18:23

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00558

Tgt Ion: 91 Resp: 515425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 31.7 | 22.1 | 41.1 |

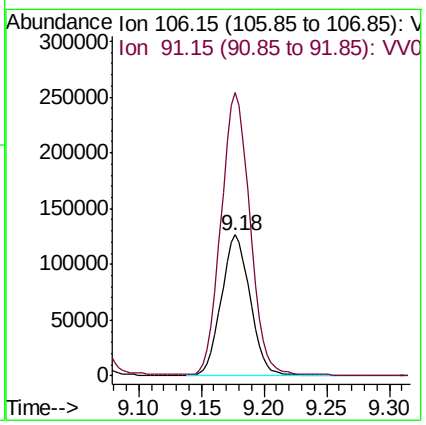


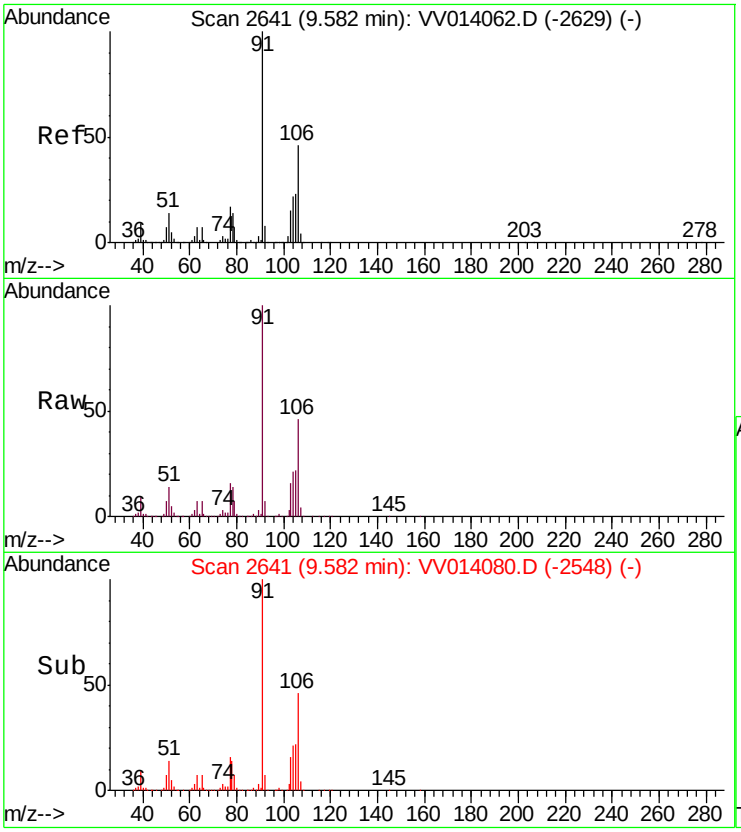




#53
m,p-xylene
Concen: 4.496 ug/L
RT: 9.18 min Scan# 2515
Delta R.T. 0.00 min
Lab File: VV014080.D
Acq: 16 Dec 2019 18:23

Tgt Ion:106 Resp: 200305

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 200.4 | 139.9 | 259.9 |



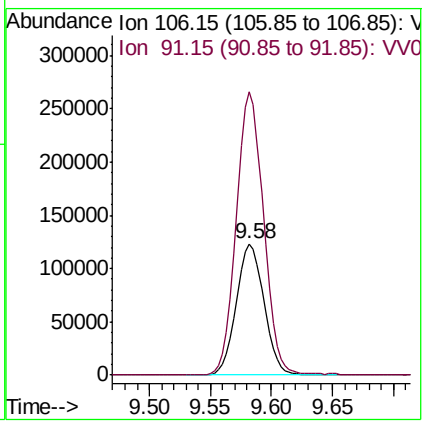


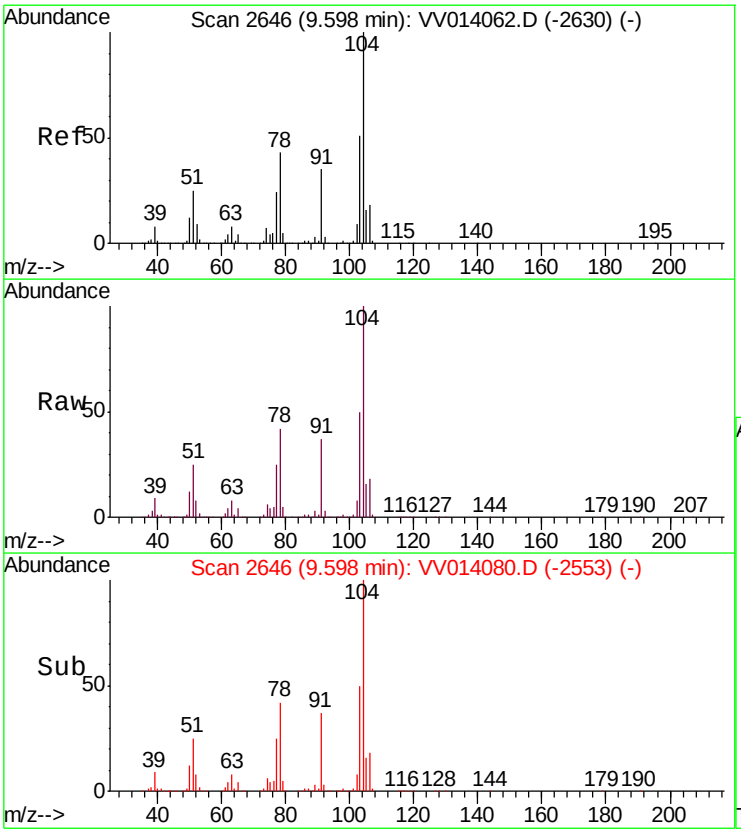

#54
o-xylene
Concen: 4.461 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV014080.D
Acq: 16 Dec 2019 18:23

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00558

Tgt Ion:106 Resp: 193999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 215.5 | 145.5 | 270.3 |

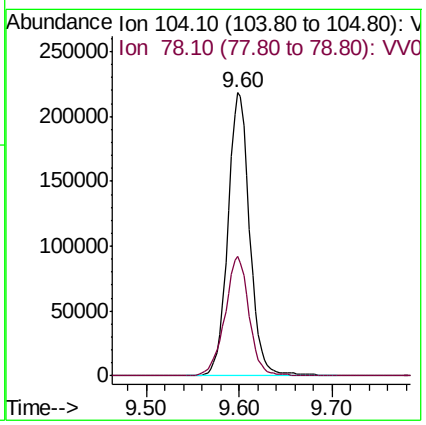


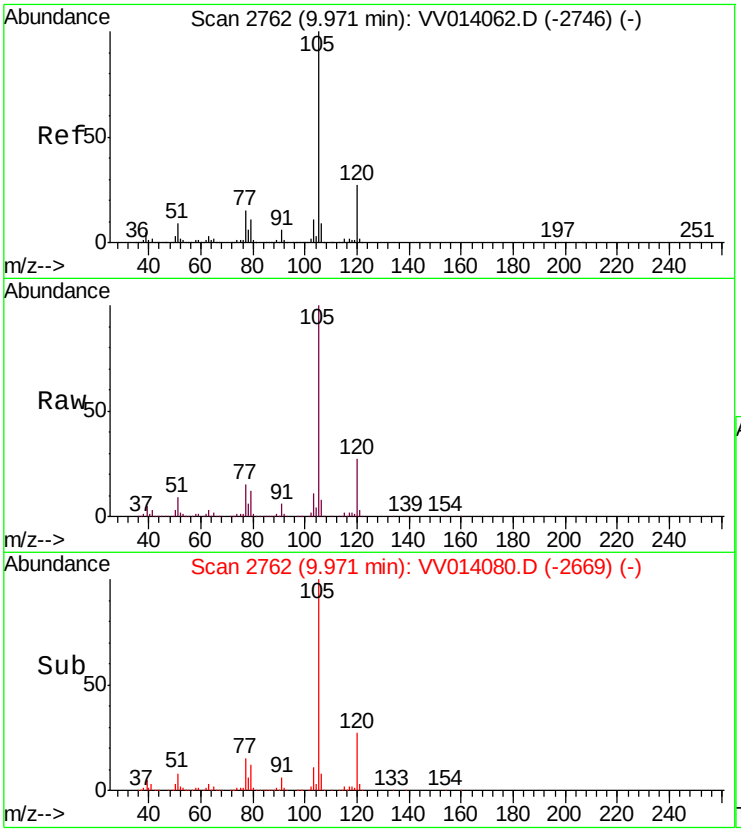




#55
Styrene
Concen: 4.741 ug/L
RT: 9.60 min Scan# 2646
Delta R.T. 0.00 min
Lab File: VV014080.D
Acq: 16 Dec 2019 18:23

Tgt Ion:104 Resp: 356017

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 42.3 | 31.0 | 57.6 |



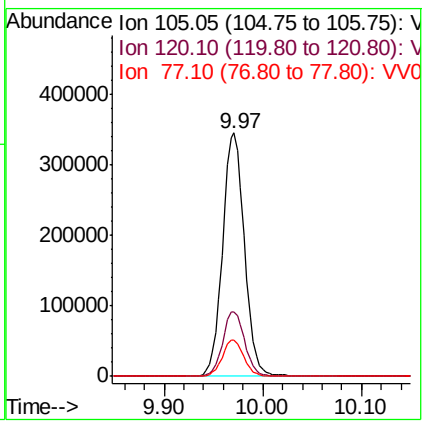


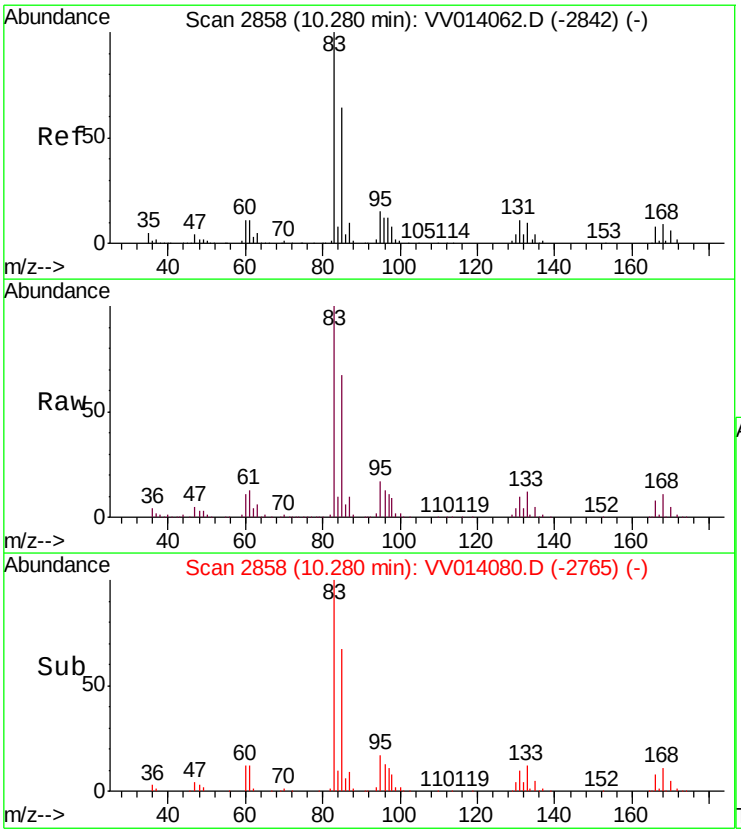

#56
Isopropylbenzene
Concen: 4.520 ug/L
RT: 9.97 min Scan# 2762
Delta R.T. 0.00 min
Lab File: VV014080.D
Acq: 16 Dec 2019 18:23

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00558

Tgt Ion:105 Resp: 535677

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.7 | 21.3 | 31.9 |
| 77 | 14.8 | 12.1 | 18.1 |

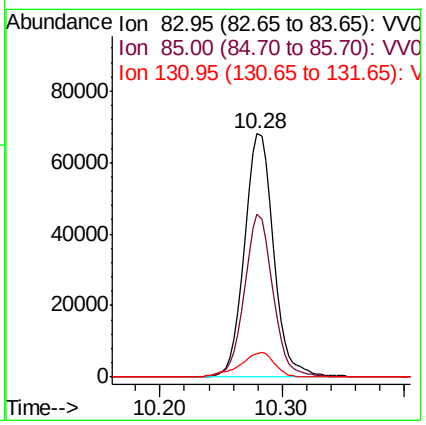


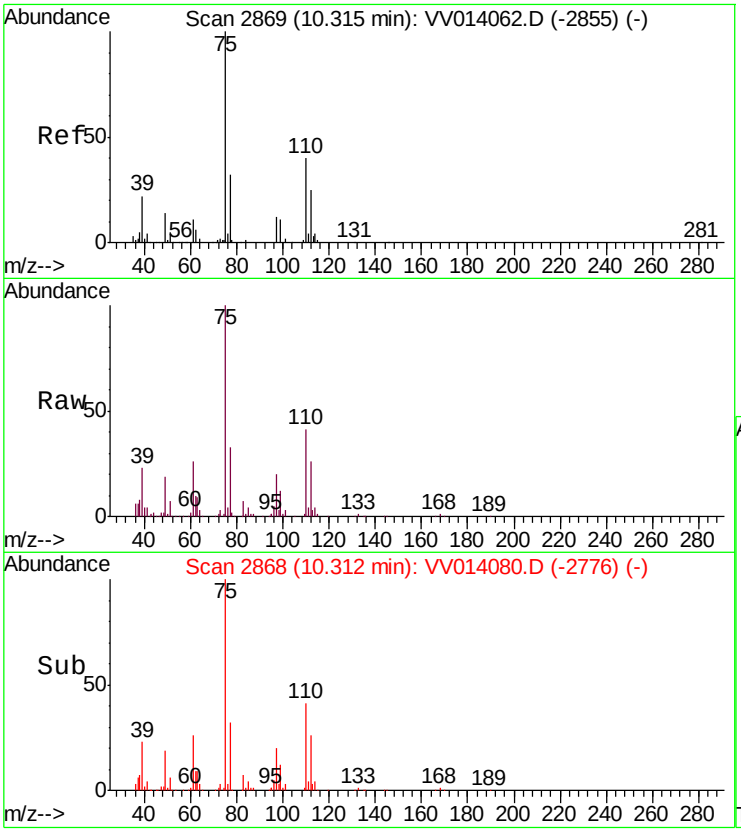




#58
1,1,2,2-Tetrachloroethane
Concen: 5.520 ug/L
RT: 10.28 min Scan# 2858
Delta R.T. 0.00 min
Lab File: VV014080.D
Acq: 16 Dec 2019 18:23

Tgt Ion: 83 Resp: 111408

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 67.1 | 45.1 | 83.7 |
| 131 | 9.8 | 9.3 | 13.9 |



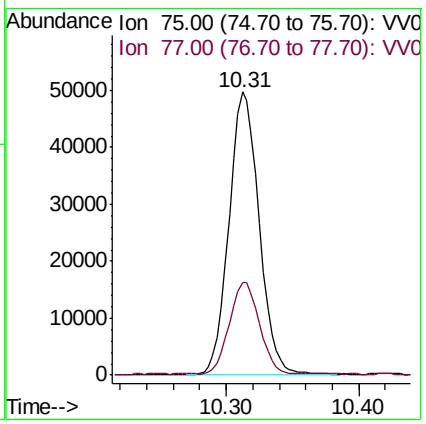


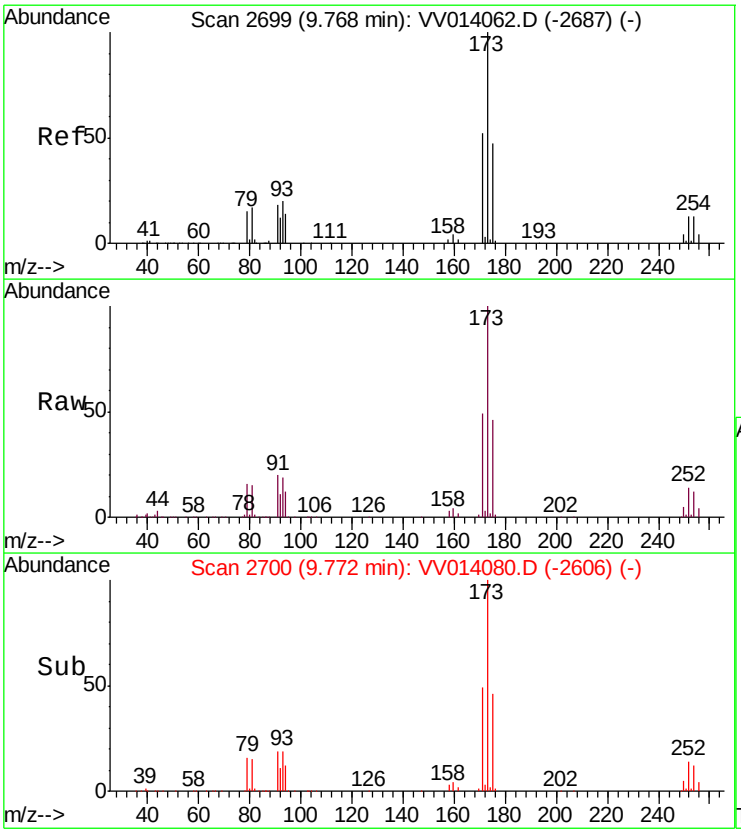

#59
1,2,3-Trichloropropane
Concen: 4.976 ug/L
RT: 10.31 min Scan# 2868
Delta R.T. -0.00 min
Lab File: VV014080.D
Acq: 16 Dec 2019 18:23

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00558

Tgt Ion: 75 Resp: 78737

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.2 | 25.7 | 38.5 |

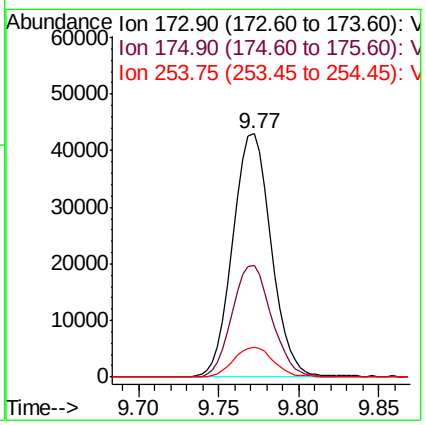


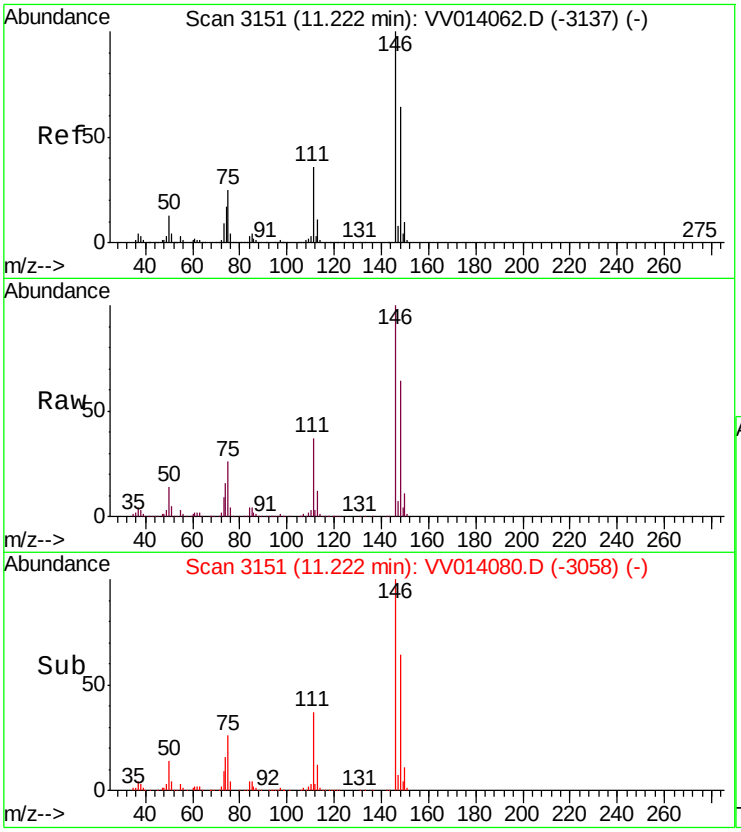




#61
Bromoform
Concen: 5.098 ug/L
RT: 9.77 min Scan# 2700
Delta R.T. 0.00 min
Lab File: VV014080.D
Acq: 16 Dec 2019 18:23

Tgt Ion:173 Resp: 70594

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 47.0 | 39.1 | 58.7 |
| 254 | 12.7 | 10.4 | 15.6 |



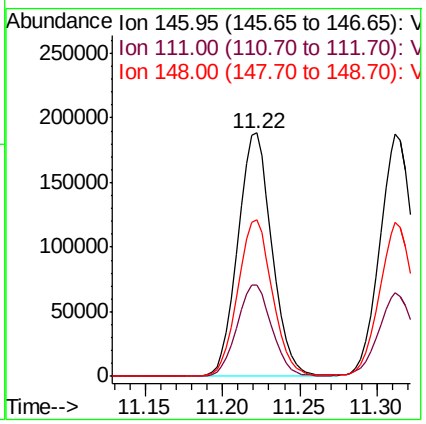


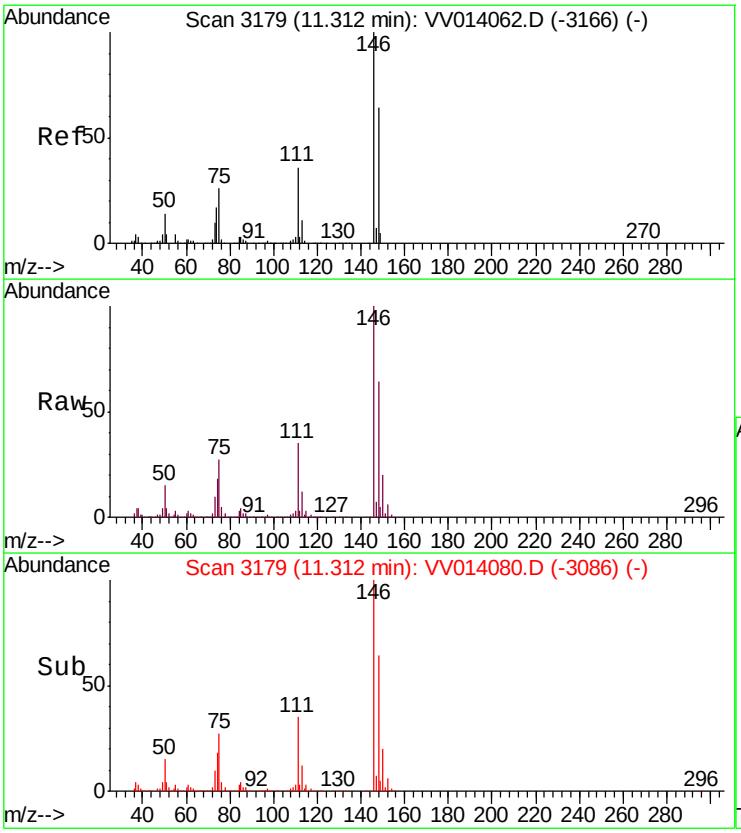

#62
1,3-Dichlorobenzene
Concen: 4.520 ug/L
RT: 11.22 min Scan# 3151
Delta R.T. 0.00 min
Lab File: VV014080.D
Acq: 16 Dec 2019 18:23

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00558

Tgt Ion:146 Resp: 288924

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 37.4 | 25.6 | 47.6 |
| 148 | 64.1 | 44.7 | 82.9 |

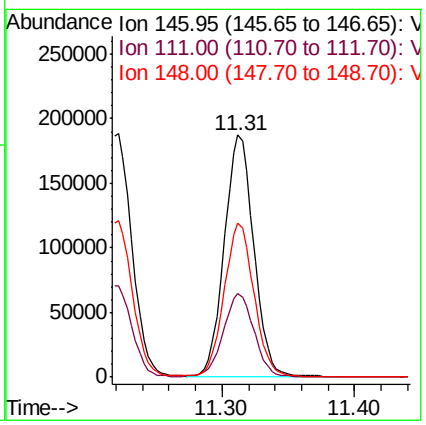


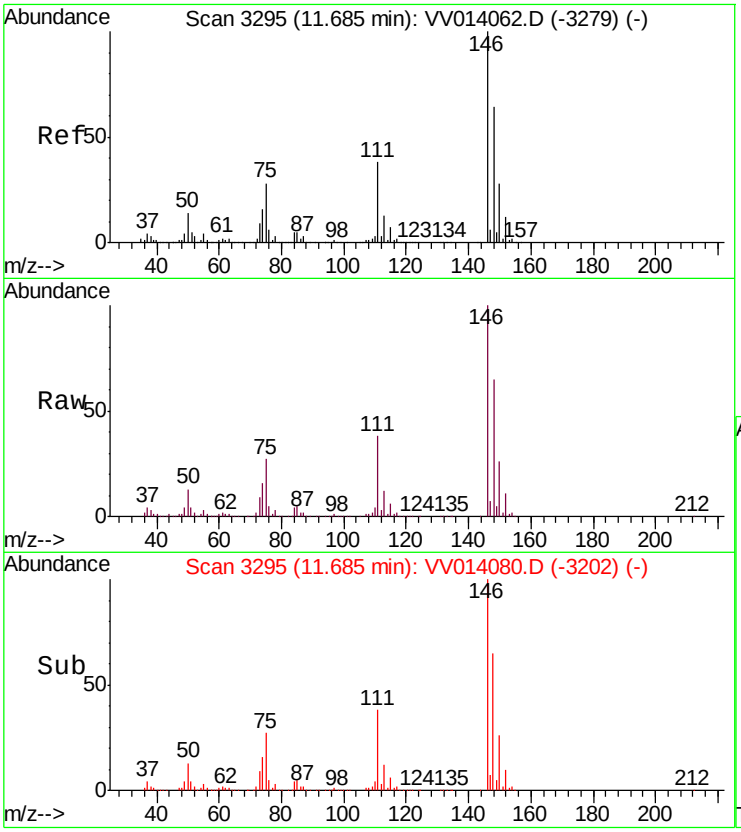




#63
1,4-Dichlorobenzene
Concen: 4.430 ug/L
RT: 11.31 min Scan# 3179
Delta R.T. 0.00 min
Lab File: VV014080.D
Acq: 16 Dec 2019 18:23

Tgt Ion:146 Resp: 288220

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 34.8 | 25.0 | 46.4 |
| 148 | 63.8 | 45.4 | 84.2 |



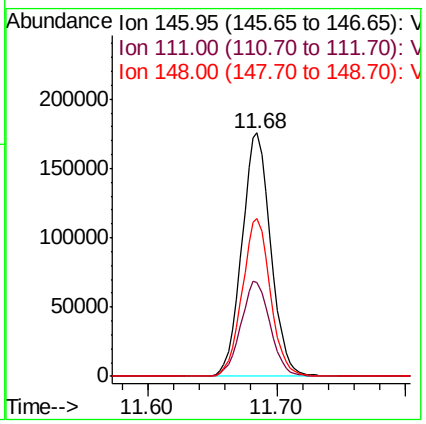


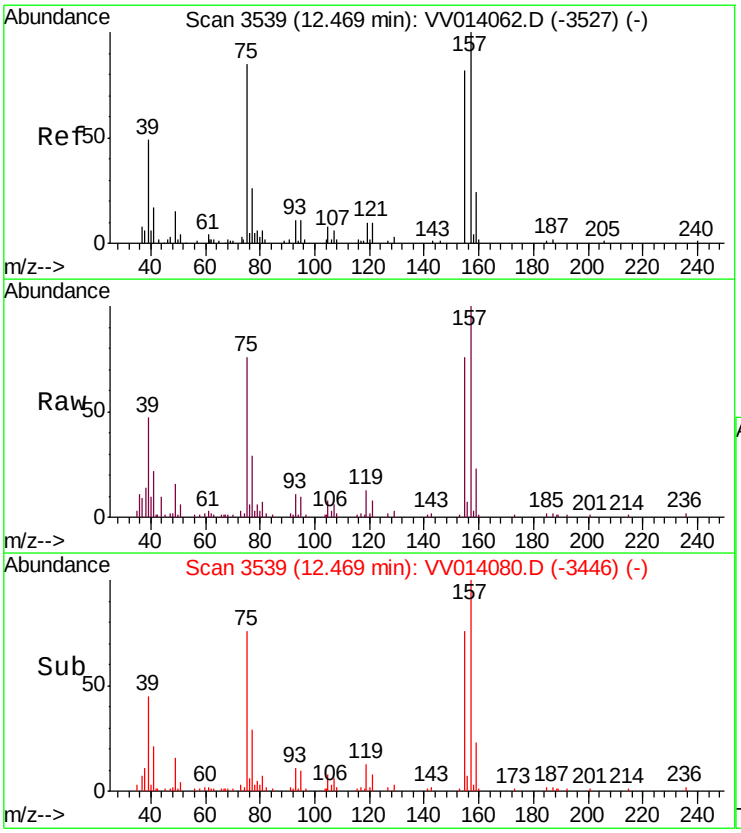

#65
1,2-Dichlorobenzene
Concen: 4.602 ug/L
RT: 11.68 min Scan# 3295
Delta R.T. 0.00 min
Lab File: VV014080.D
Acq: 16 Dec 2019 18:23

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00558

Tgt Ion:146 Resp: 272986

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 38.4 | 31.3 | 46.9 |
| 148 | 65.1 | 52.2 | 78.2 |

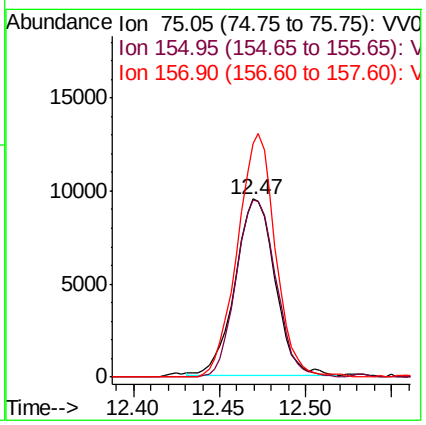


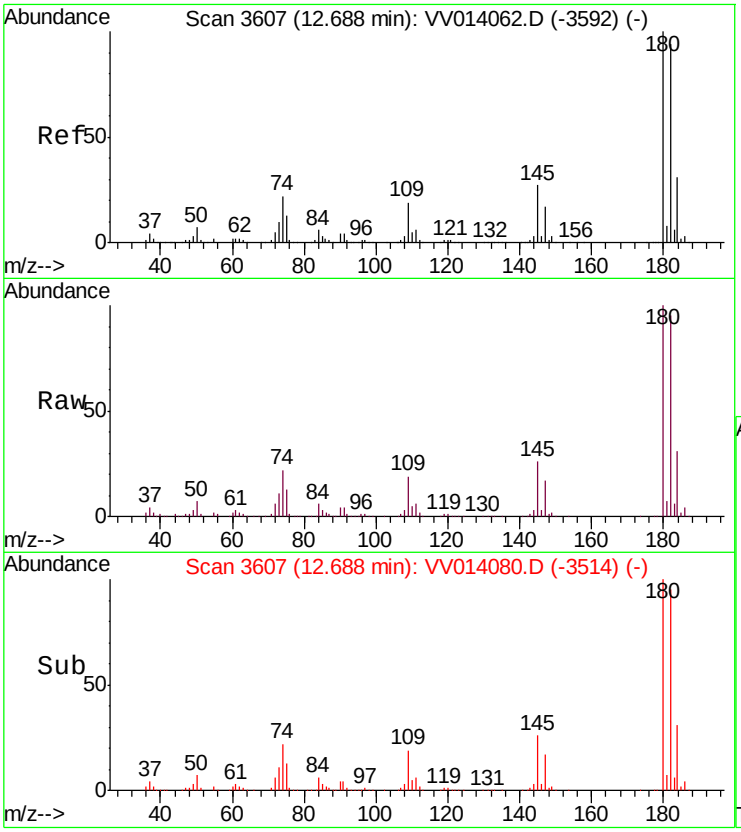




#66
1,2-Dibromo-3-chloropropane
Concen: 4.408 ug/L
RT: 12.47 min Scan# 3539
Delta R.T. 0.00 min
Lab File: VV014080.D
Acq: 16 Dec 2019 18:23

Tgt Ion: 75 Resp: 15197

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 99.8 | 73.4 | 110.0 |
| 157 | 130.7 | 98.7 | 148.1 |



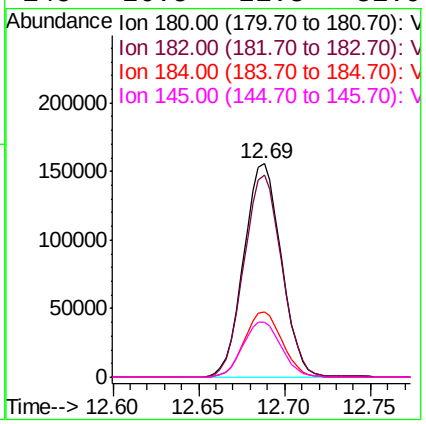


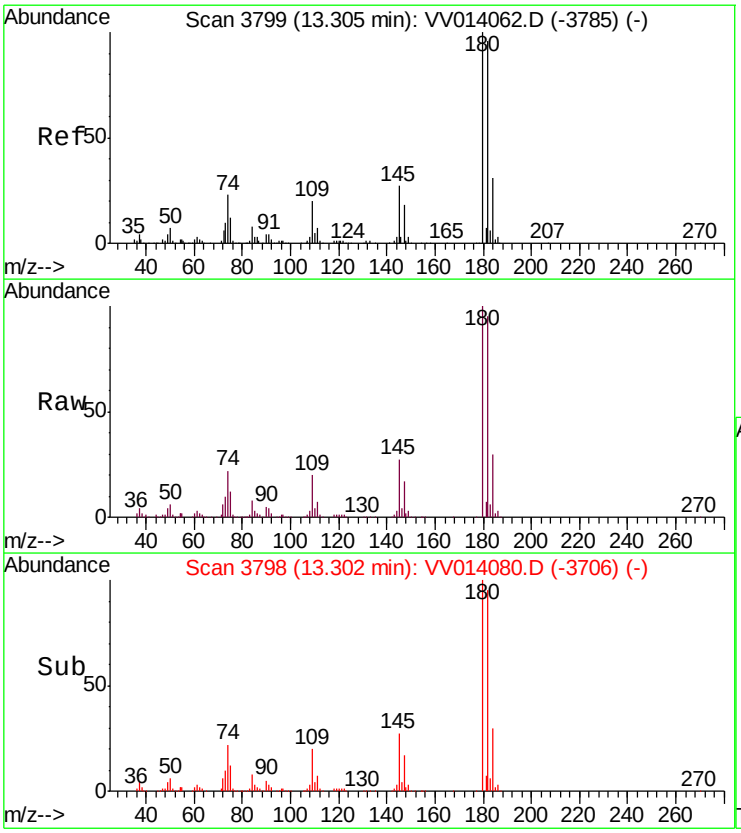

#67
1,3,5-Trichlorobenzene
Concen: 4.391 ug/L
RT: 12.69 min Scan# 3607
Delta R.T. 0.00 min
Lab File: VV014080.D
Acq: 16 Dec 2019 18:23

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00558

Tgt Ion:180 Resp: 237058

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.5 | 74.8 | 112.2 |
| 184 | 30.8 | 23.2 | 34.8 |
| 145 | 26.5 | 21.3 | 31.9 |

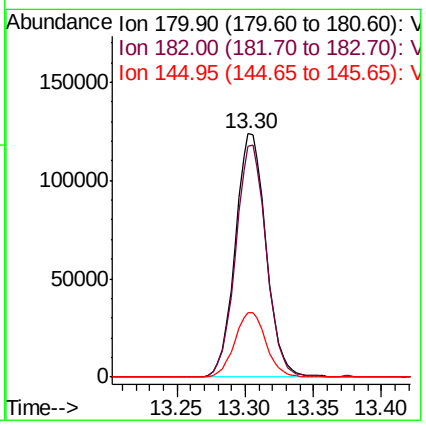


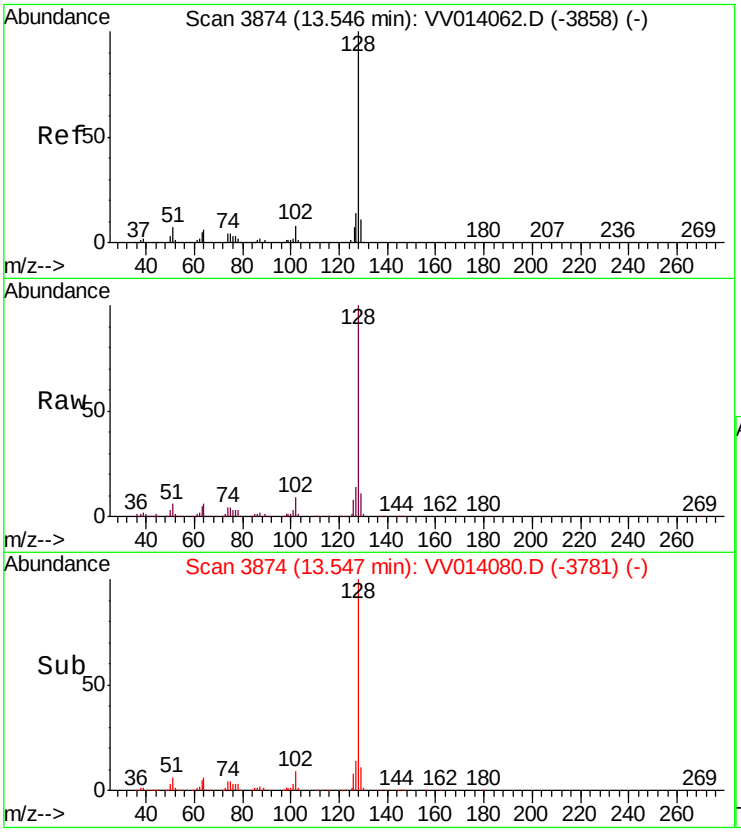




#68
1,2,4-trichlorobenzene
Concen: 4.375 ug/L
RT: 13.30 min Scan# 3798
Delta R.T. -0.00 min
Lab File: VV014080.D
Acq: 16 Dec 2019 18:23

Tgt Ion:180 Resp: 193720

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.9 | 76.2 | 114.4 |
| 145 | 27.2 | 21.0 | 31.6 |



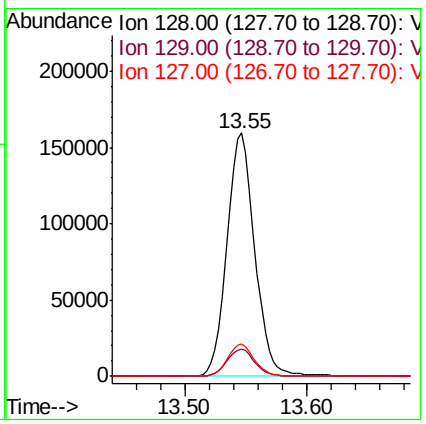


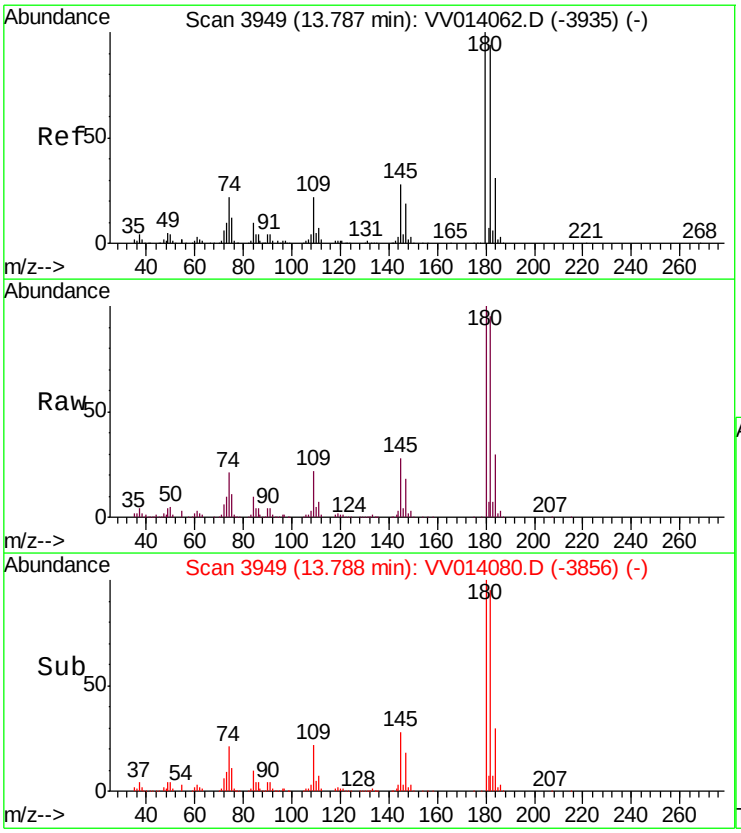

#69
Naphthalene
Concen: 4.224 ug/L
RT: 13.55 min Scan# 3874
Delta R.T. 0.00 min
Lab File: VV014080.D
Acq: 16 Dec 2019 18:23

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00558

Tgt Ion:128 Resp: 254669

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.3 | 8.6 | 12.8 |
| 127 | 12.9 | 10.6 | 16.0 |




#70
1,2,3-Trichlorobenzene
Concen: 4.607 ug/L
RT: 13.79 min Scan# 3949
Delta R.T. 0.00 min
Lab File: VV014080.D
Acq: 16 Dec 2019 18:23

Tgt Ion:180 Resp: 185839

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.8 | 78.5 | 117.7 |
| 145 | 28.5 | 23.8 | 35.8 |