Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112918\
Data File : VV008778.D
Acq On : 29 Nov 2018 21:18
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00570

Quant Time: Nov 30 05:01:22 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112918WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 30 04:55:05 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.67 | 114 | 154479 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.90 | 117 | 142366 | 5.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152 | 69972 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.32 | 65 | 49758 | 4.66 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 93.20% | | | |
| 7) Chloroethane-d5 | 1.59 | 69 | 34277 | 4.51 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 90.20% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.14 | 63 | 85996 | 4.68 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 93.60% | | | |
| 20) 2-Butanone-d5 | 3.96 | 46 | 113657 | 47.48 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 94.96% | | | |
| 24) Chloroform-d | 4.41 | 84 | 98638 | 4.67 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 93.40% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.09 | 65 | 47811 | 4.72 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 94.40% | | | |
| 32) Benzene-d6 | 5.10 | 84 | 206265 | 4.75 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 95.00% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.12 | 67 | 60036 | 4.60 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 92.00% | | | |
| 41) Toluene-d8 | 7.36 | 98 | 194431 | 4.85 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 97.00% | | | |
| 43) trans-1,3-Dichloropropene- | 7.67 | 79 | 20811 | 4.75 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 95.00% | | | |
| 46) 2-Hexanone-d5 | 8.14 | 63 | 86019 | 47.19 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 94.38% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26 | 84 | 39346 | 4.77 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 95.40% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.68 | 152 | 65576 | 4.55 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 91.00% | | | |

| Target Compounds | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 2) Dichlorodifluoromethane | 1.14 | 85 | 65970 | 4.827 | ug/L | 99 |
| 3) Chloromethane | 1.25 | 50 | 49891 | 4.875 | ug/L | 100 |
| 5) Vinyl chloride | 1.32 | 62 | 51430 | 5.051 | ug/L | 100 |
| 6) Bromomethane | 1.54 | 94 | 32100 | 5.025 | ug/L | 100 |
| 8) Chloroethane | 1.60 | 64 | 27056 | 4.642 | ug/L | 95 |
| 9) Trichlorofluoromethane | 1.78 | 101 | 78855 | 5.185 | ug/L | 99 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.14 | 101 | 42855 | 4.925 | ug/L | 98 |
| 12) 1,1-Dichloroethene | 2.15 | 96 | 37704 | 4.963 | ug/L | 91 |
| 13) Acetone | 2.22 | 43 | 55361 | 46.406 | ug/L | 100 |
| 14) Carbon disulfide | 2.32 | 76 | 110821 | 5.026 | ug/L | 98 |
| 15) Methyl Acetate | 2.47 | 43 | 14376 | 4.503 | ug/L | 98 |
| 16) Methylene chloride | 2.54 | 84 | 39015 | 4.554 | ug/L | 92 |
| 17) Methyl tert-butyl Ether | 2.81 | 73 | 90514 | 4.838 | ug/L | 99 |
| 18) trans-1,2-Dichloroethene | 2.79 | 96 | 40961 | 4.906 | ug/L | 97 |
| 19) 1,1-Dichloroethane | 3.23 | 63 | 93753 | 5.053 | ug/L | 99 |
| 21) 2-Butanone | 4.05 | 43 | 115025 | 48.099 | ug/L | 98 |
| 22) cis-1,2-Dichloroethene | 3.97 | 96 | 56970 | 4.857 | ug/L | 95 |

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112918\
Data File : VV008778.D
Acq On : 29 Nov 2018 21:18
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00570

Quant Time: Nov 30 05:01:22 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112918WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 30 04:55:05 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 23) Bromochloromethane | 4.31 | 128 | 23515 | 4.886 | ug/L | 96 |
| 25) Chloroform | 4.43 | 83 | 96659 | 4.793 | ug/L | 99 |
| 27) 1,2-Dichloroethane | 5.19 | 62 | 58819 | 5.076 | ug/L | 98 |
| 29) 1,1,1-Trichloroethane | 4.66 | 97 | 82150 | 4.944 | ug/L | 98 |
| 30) Cyclohexane | 4.73 | 56 | 85038 | 4.859 | ug/L | 99 |
| 31) Carbon tetrachloride | 4.88 | 117 | 72031 | 5.008 | ug/L | 98 |
| 33) Benzene | 5.15 | 78 | 212845 | 4.986 | ug/L | 100 |
| 34) Trichloroethene | 5.96 | 95 | 58059 | 4.891 | ug/L | 96 |
| 35) Methylcyclohexane | 6.18 | 83 | 91716 | 4.872 | ug/L | 99 |
| 37) 1,2-Dichloropropane | 6.23 | 63 | 52978 | 4.992 | ug/L | 100 |
| 38) Bromodichloromethane | 6.56 | 83 | 59007 | 4.869 | ug/L | 98 |
| 39) cis-1,3-Dichloropropene | 7.07 | 75 | 69663 | 4.998 | ug/L | 99 |
| 40) 4-Methyl-2-pentanone | 7.28 | 43 | 266437 | 48.508 | ug/L | 99 |
| 42) Toluene | 7.43 | 91 | 226455 | 5.068 | ug/L | 99 |
| 44) trans-1,3-Dichloropropene | 7.70 | 75 | 53680 | 4.886 | ug/L | 98 |
| 45) 1,1,2-Trichloroethane | 7.89 | 97 | 34759 | 4.937 | ug/L | 96 |
| 47) Tetrachloroethene | 8.02 | 164 | 45569 | 4.964 | ug/L | 98 |
| 48) 2-Hexanone | 8.19 | 43 | 185817 | 48.189 | ug/L | 99 |
| 49) Dibromochloromethane | 8.29 | 129 | 38456 | 5.016 | ug/L | 100 |
| 50) 1,2-Dibromoethane | 8.40 | 107 | 32591 | 4.932 | ug/L | 98 |
| 51) Chlorobenzene | 8.93 | 112 | 145158 | 4.935 | ug/L | 99 |
| 52) Ethylbenzene | 9.06 | 91 | 241992 | 5.005 | ug/L | 99 |
| 53) m,p-xylene | 9.18 | 106 | 92273 | 5.089 | ug/L | 96 |
| 54) o-xylene | 9.59 | 106 | 89041 | 5.090 | ug/L | 97 |
| 55) Styrene | 9.61 | 104 | 150509 | 5.175 | ug/L | 99 |
| 56) Isopropylbenzene | 9.98 | 105 | 242445 | 5.088 | ug/L | 99 |
| 58) 1,1,2,2-Tetrachloroethane | 10.29 | 83 | 37769 | 5.030 | ug/L | 100 |
| 59) 1,2,3-Trichloropropane | 10.32 | 75 | 29529 | 4.849 | ug/L | 99 |
| 61) Bromoform | 9.78 | 173 | 18335 | 4.833 | ug/L | 99 |
| 62) 1,3-Dichlorobenzene | 11.23 | 146 | 111005 | 4.820 | ug/L | 99 |
| 63) 1,4-Dichlorobenzene | 11.32 | 146 | 112046 | 4.918 | ug/L | 97 |
| 65) 1,2-Dichlorobenzene | 11.69 | 146 | 101676 | 4.680 | ug/L | 98 |
| 66) 1,2-Dibromo-3-chloropropan | 12.48 | 75 | 5481 | 5.122 | ug/L | 93 |
| 67) 1,3,5-Trichlorobenzene | 12.69 | 180 | 80975 | 4.791 | ug/L | 96 |
| 68) 1,2,4-trichlorobenzene | 13.31 | 180 | 60279 | 4.834 | ug/L | 97 |
| 69) Naphthalene | 13.56 | 128 | 83822 | 4.597 | ug/L | 99 |
| 70) 1,2,3-Trichlorobenzene | 13.80 | 180 | 56528 | 4.859 | ug/L | 98 |

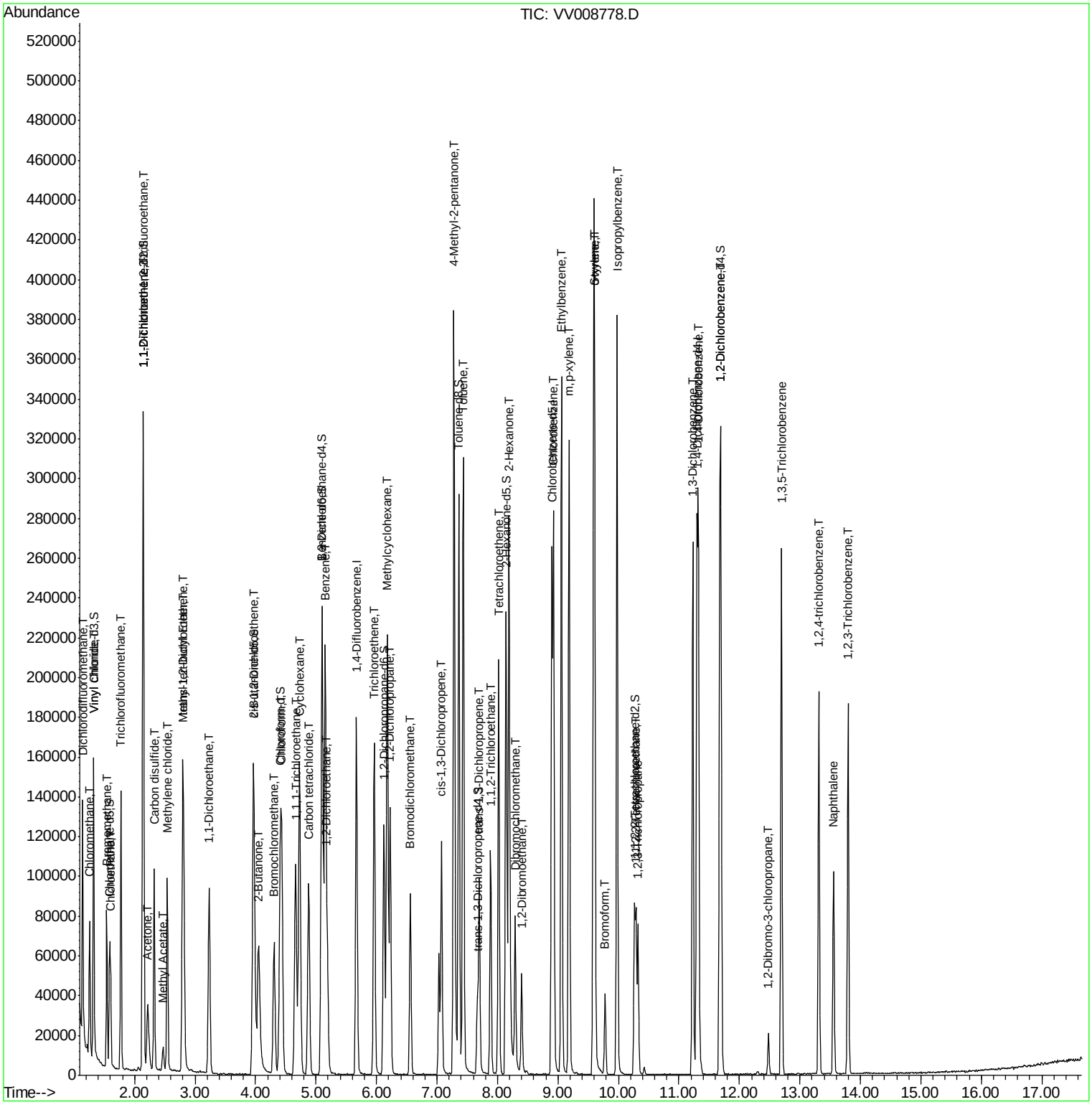
(#) = qualifier out of range (m) = manual integration (+) = signals summed

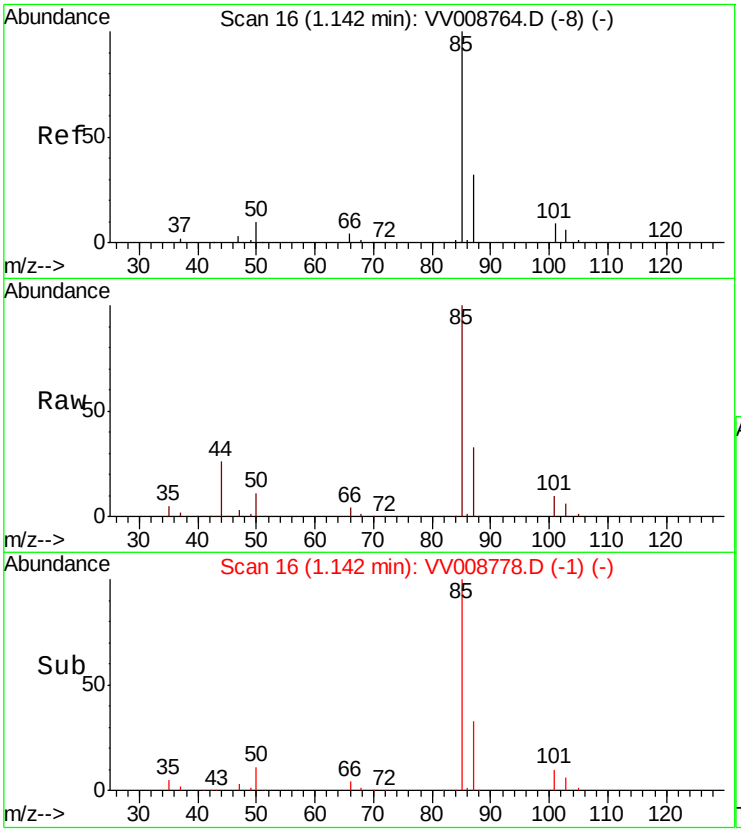
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112918\
Data File : VV008778.D
Acq On : 29 Nov 2018 21:18
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00570

Quant Time: Nov 30 05:01:22 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112918WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 30 04:55:05 2018
Response via : Initial Calibration



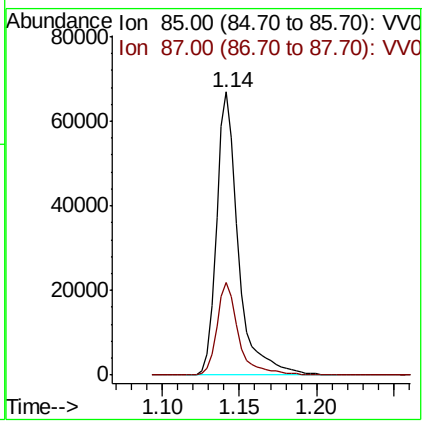


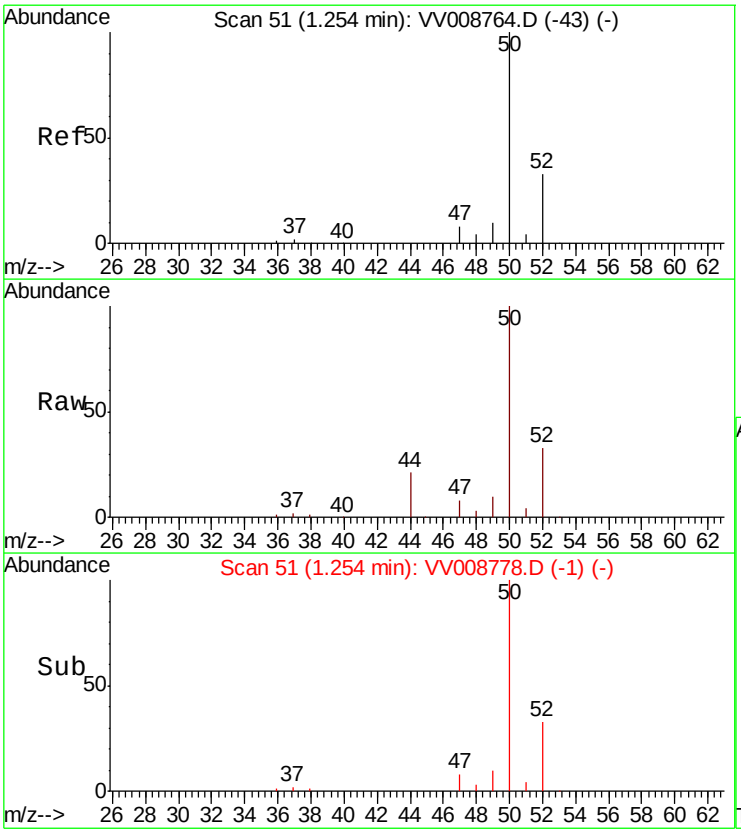

#2
Dichlorodifluoromethane
Concen: 4.827 ug/L
RT: 1.14 min Scan# 16
Delta R.T. -0.00 min
Lab File: VV008778.D
Acq: 29 Nov 2018 21:18

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00570

Tgt Ion: 85 Resp: 65970

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.4 | 25.4 | 38.0 |

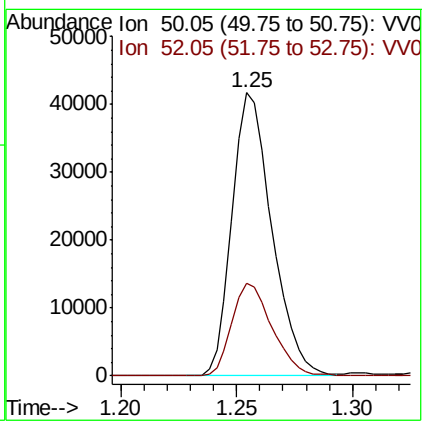


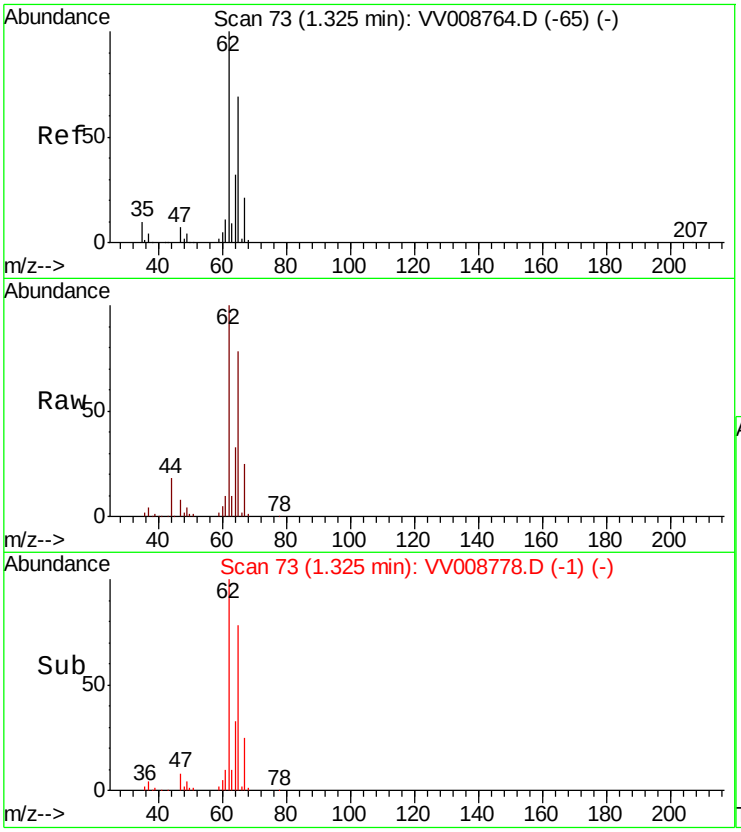




#3
Chloromethane
Concen: 4.875 ug/L
RT: 1.25 min Scan# 51
Delta R.T. -0.00 min
Lab File: VV008778.D
Acq: 29 Nov 2018 21:18

Tgt Ion: 50 Resp: 49891

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.7 | 22.8 | 42.4 |



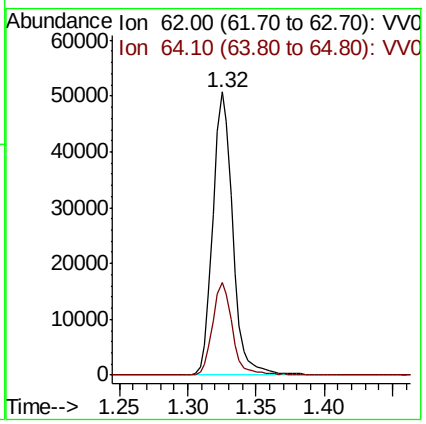


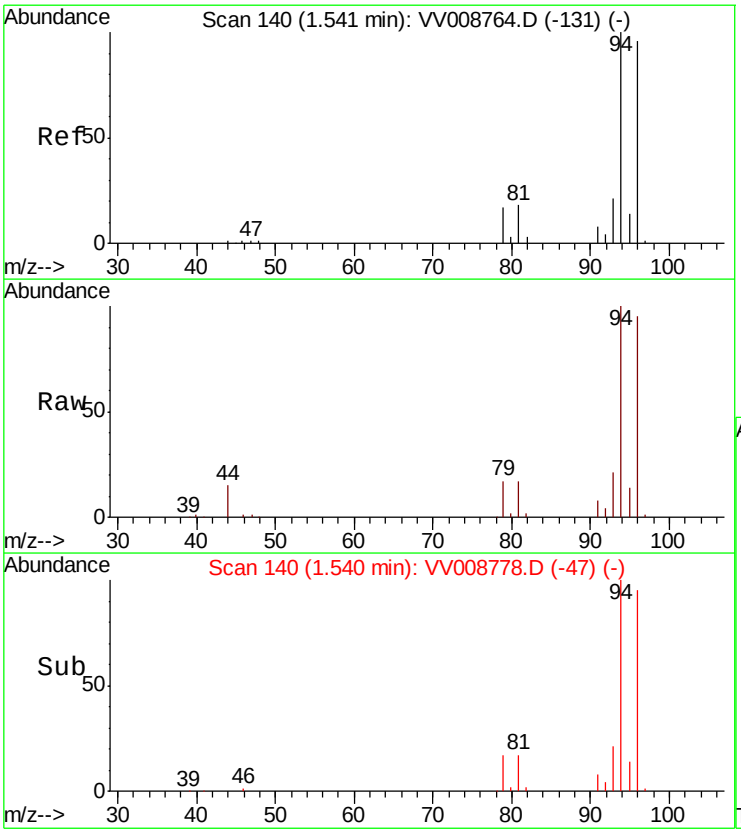

#5
Vinyl chloride
Concen: 5.051 ug/L
RT: 1.32 min Scan# 73
Delta R.T. -0.00 min
Lab File: VV008778.D
Acq: 29 Nov 2018 21:18

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00570

Tgt Ion: 62 Resp: 51430

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.6 | 22.7 | 42.1 |

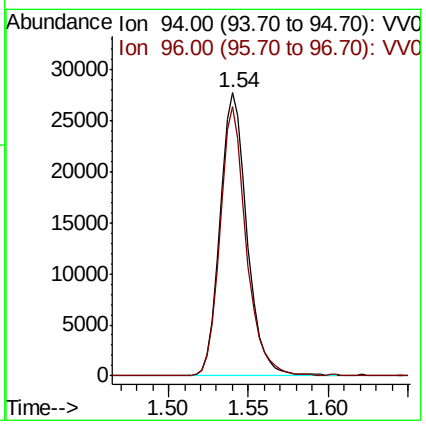


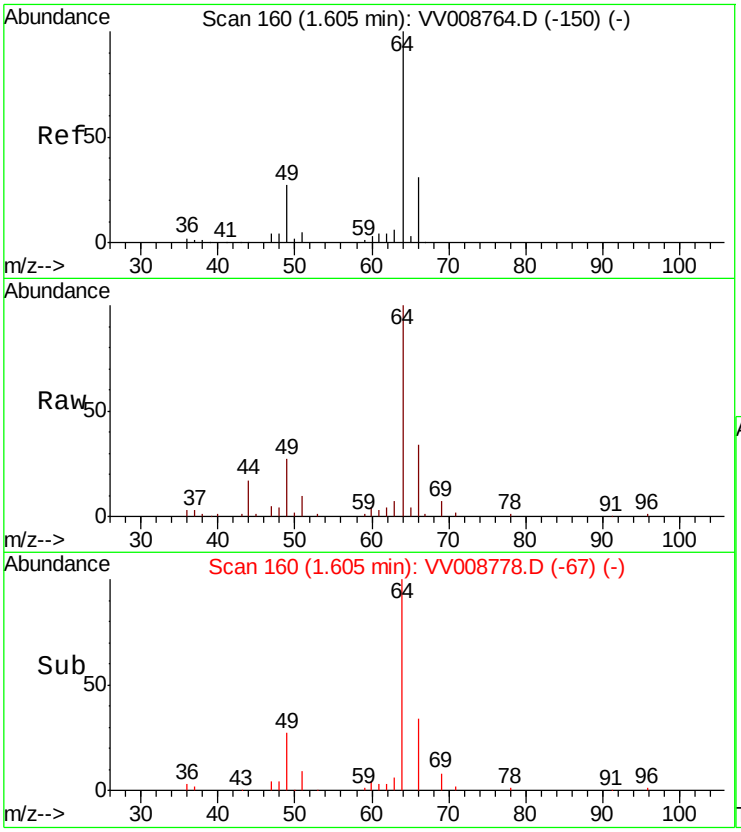




#6
Bromomethane
Concen: 5.025 ug/L
RT: 1.54 min Scan# 140
Delta R.T. -0.00 min
Lab File: VV008778.D
Acq: 29 Nov 2018 21:18

Tgt Ion: 94 Resp: 32100

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 95.3 | 67.0 | 124.4 |



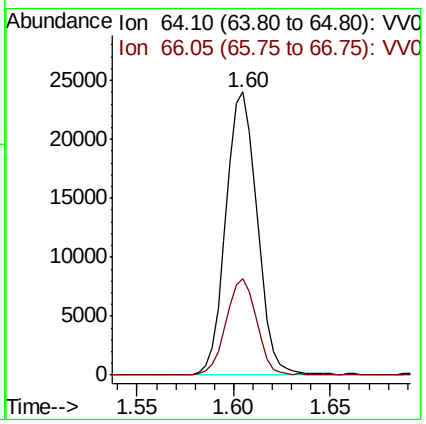


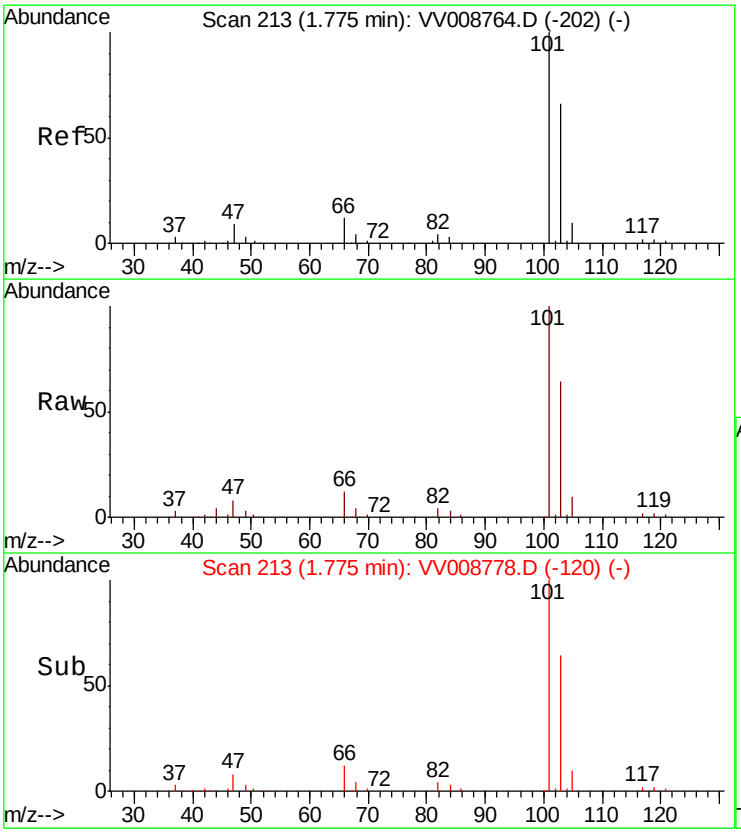

#8
Chloroethane
Concen: 4.642 ug/L
RT: 1.60 min Scan# 160
Delta R.T. -0.00 min
Lab File: VV008778.D
Acq: 29 Nov 2018 21:18

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00570

Tgt Ion: 64 Resp: 27056

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 34.0 | 21.8 | 40.6 |

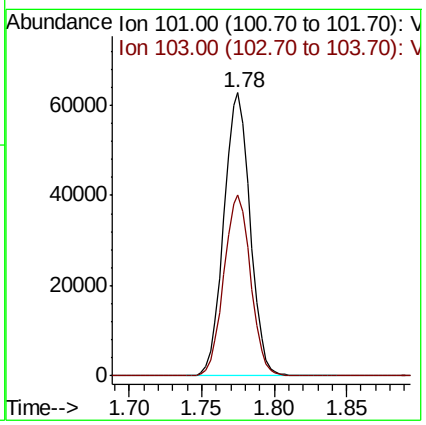


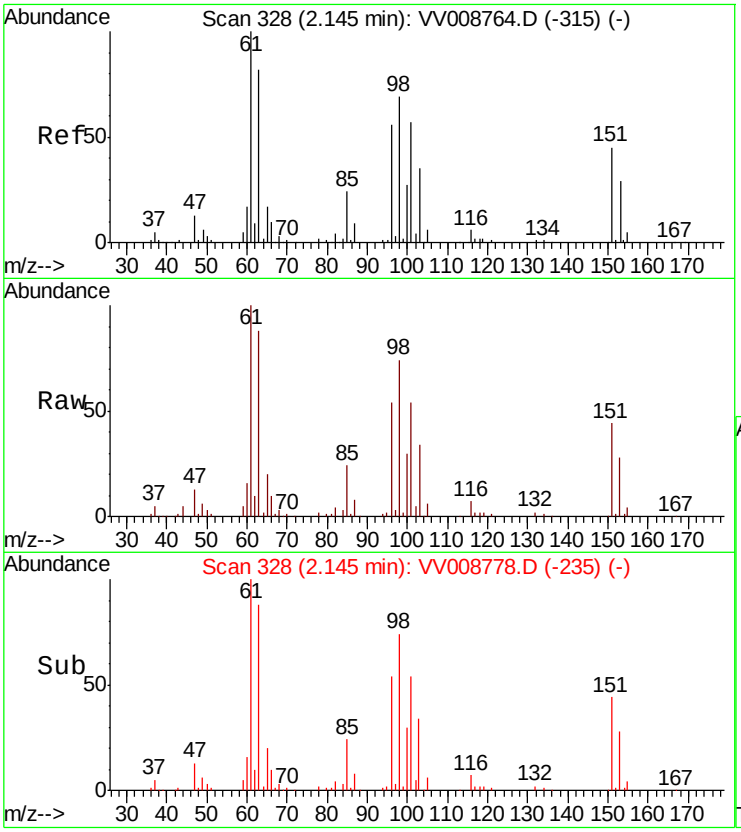




#9
Trichlorofluoromethane
Concen: 5.185 ug/L
RT: 1.78 min Scan# 213
Delta R.T. -0.00 min
Lab File: VV008778.D
Acq: 29 Nov 2018 21:18

Tgt Ion:101 Resp: 78855

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 64.9 | 52.6 | 79.0 |



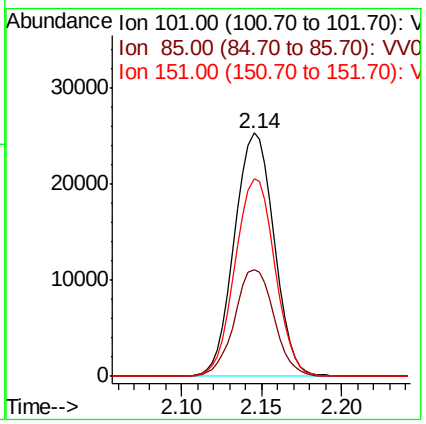


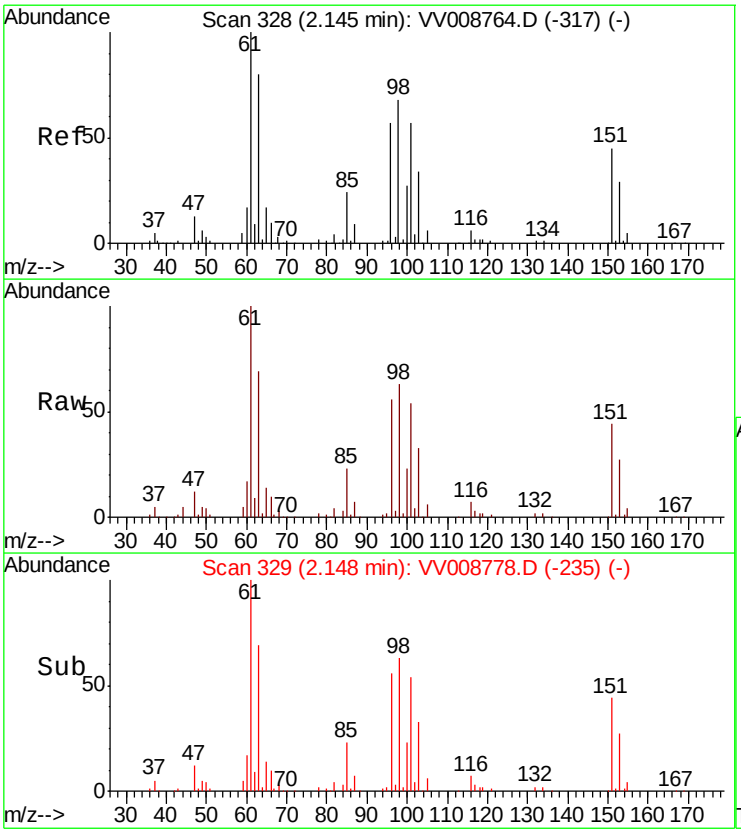

#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.925 ug/L
RT: 2.14 min Scan# 328
Delta R.T. -0.00 min
Lab File: VV008778.D
Acq: 29 Nov 2018 21:18

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00570

Tgt Ion:101 Resp: 42855

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 43.5 | 33.1 | 49.7 |
| 151 | 81.4 | 63.8 | 95.8 |

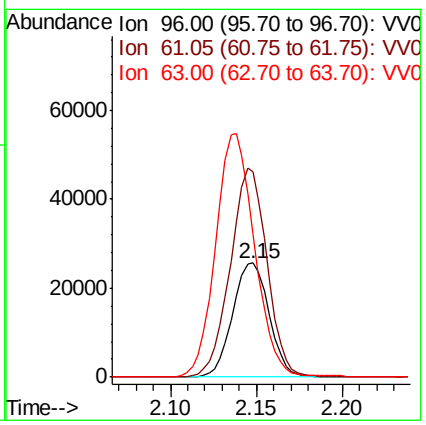


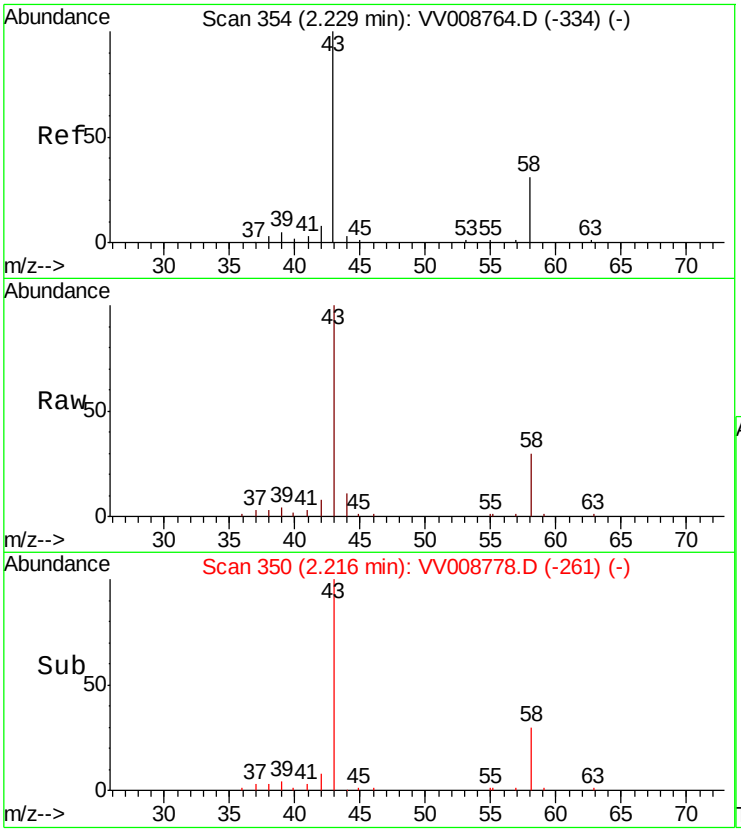




#12
1,1-Dichloroethene
Concen: 4.963 ug/L
RT: 2.15 min Scan# 329
Delta R.T. 0.00 min
Lab File: VV008778.D
Acq: 29 Nov 2018 21:18

Tgt Ion: 96 Resp: 37704

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 179.2 | 124.3 | 230.8 |
| 63 | 124.2 | 102.6 | 190.5 |



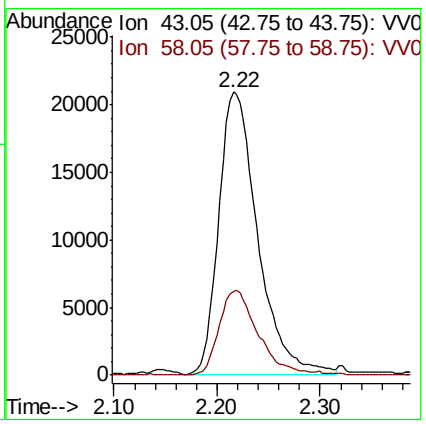


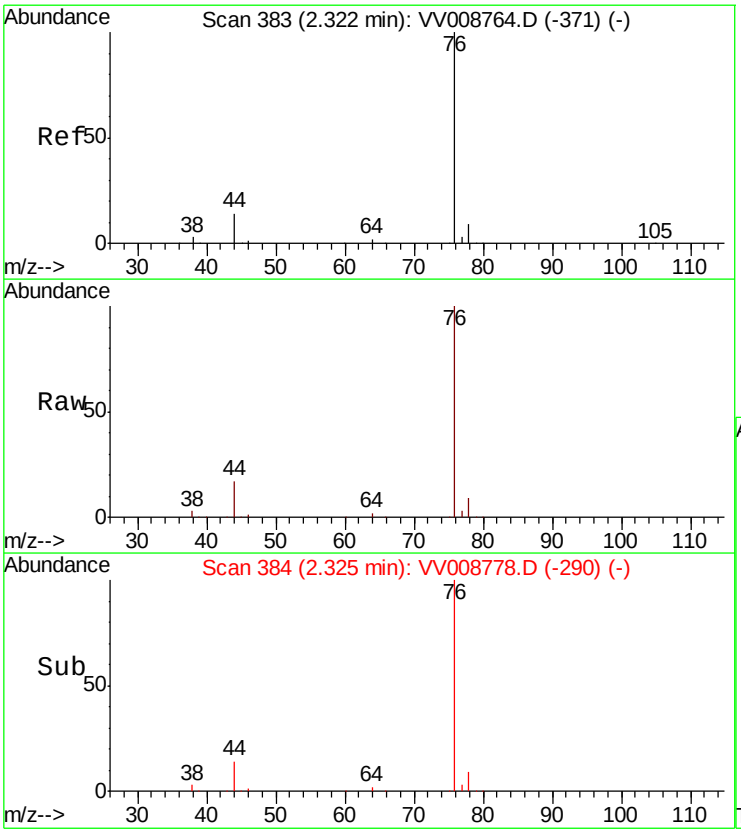

#13
Acetone
Concen: 46.406 ug/L
RT: 2.22 min Scan# 350
Delta R.T. -0.01 min
Lab File: VV008778.D
Acq: 29 Nov 2018 21:18

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00570

Tgt Ion: 43 Resp: 55361

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 30.0 | 0.0 | 59.8 |

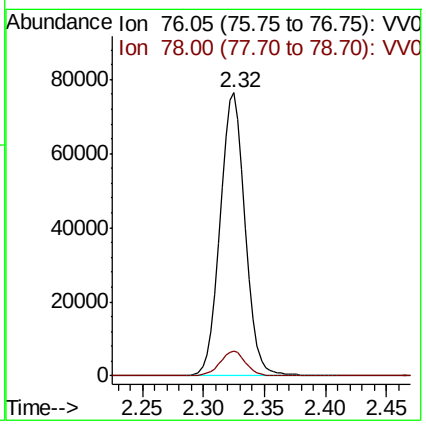


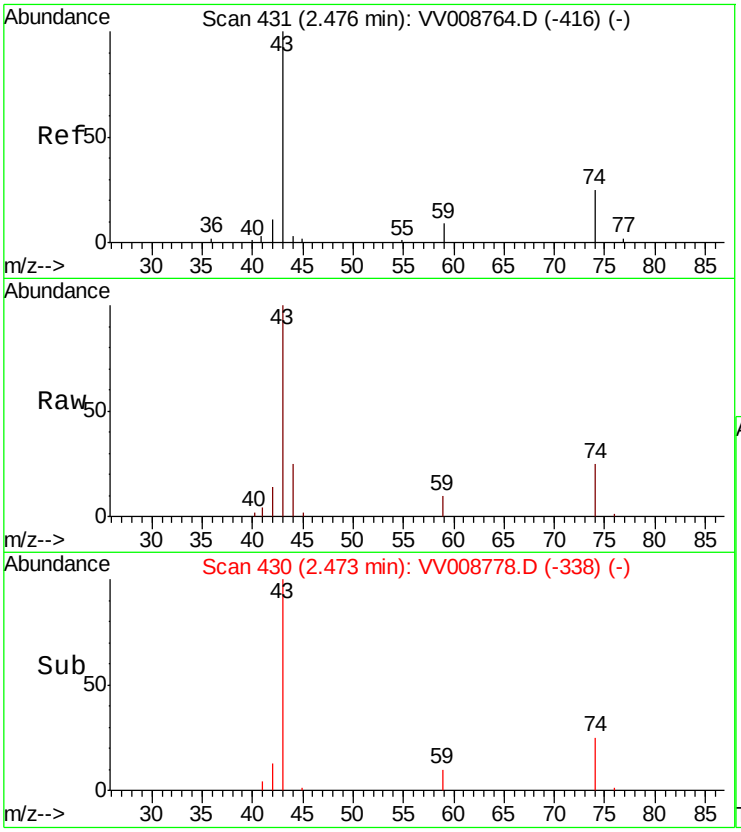




#14
Carbon disulfide
Concen: 5.026 ug/L
RT: 2.32 min Scan# 384
Delta R.T. 0.00 min
Lab File: VV008778.D
Acq: 29 Nov 2018 21:18

Tgt Ion: 76 Resp: 110821

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.7 | 7.5 | 11.3 |



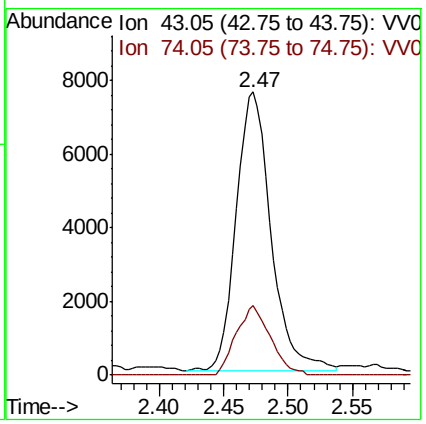


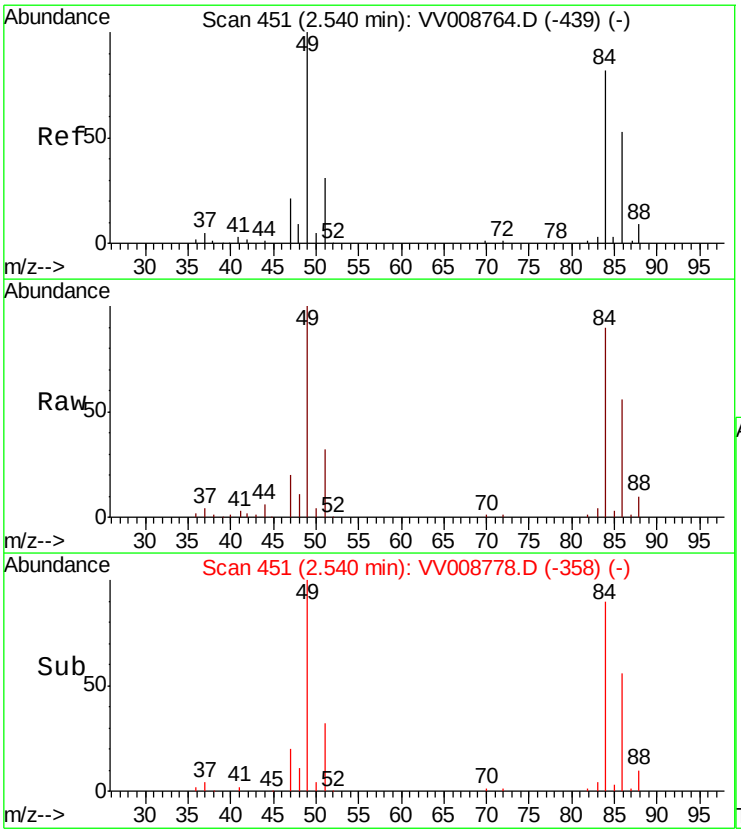

#15
Methyl Acetate
Concen: 4.503 ug/L
RT: 2.47 min Scan# 430
Delta R.T. -0.00 min
Lab File: VV008778.D
Acq: 29 Nov 2018 21:18

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00570

Tgt Ion: 43 Resp: 14376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 24.2 | 20.0 | 30.0 |

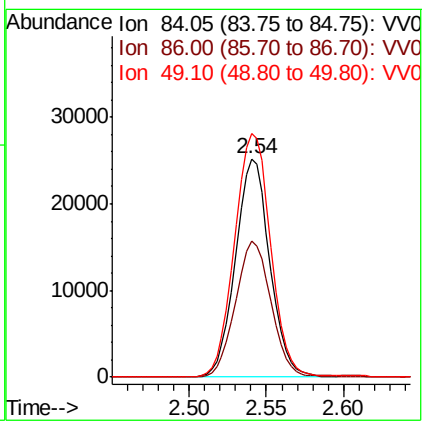


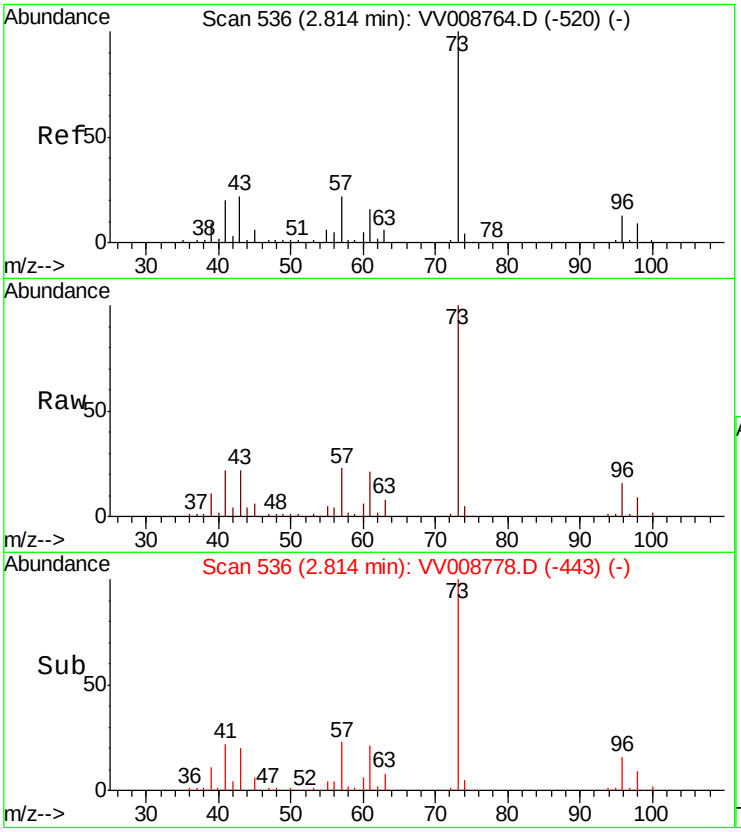




#16
Methylene chloride
Concen: 4.554 ug/L
RT: 2.54 min Scan# 451
Delta R.T. -0.00 min
Lab File: VV008778.D
Acq: 29 Nov 2018 21:18

Tgt Ion: 84 Resp: 39015

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 62.2 | 45.8 | 85.2 |
| 49 | 111.6 | 85.9 | 159.5 |



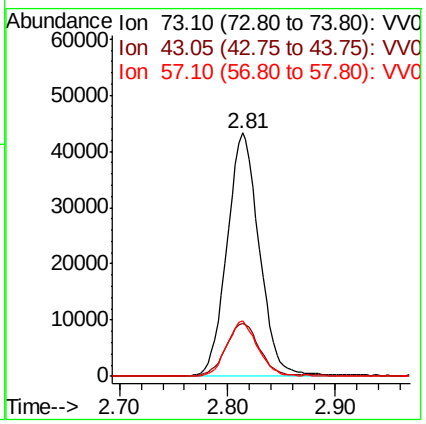


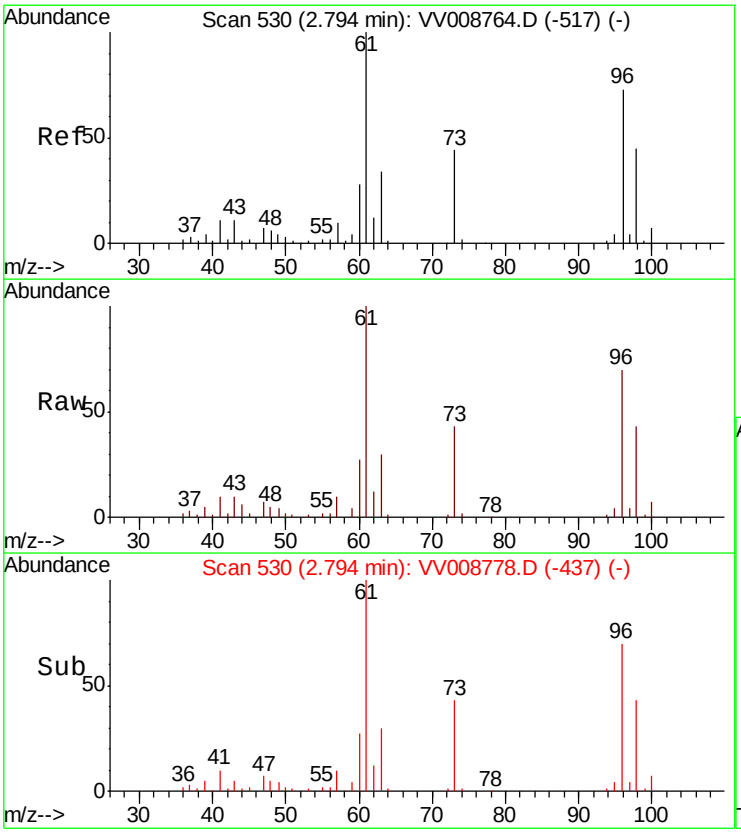

#17
Methyl tert-butyl Ether
Concen: 4.838 ug/L
RT: 2.81 min Scan# 536
Delta R.T. -0.00 min
Lab File: VV008778.D
Acq: 29 Nov 2018 21:18

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00570

Tgt Ion: 73 Resp: 90514

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 43 | 21.7 | 18.0 | 27.0 |
| 57 | 21.6 | 17.2 | 25.8 |

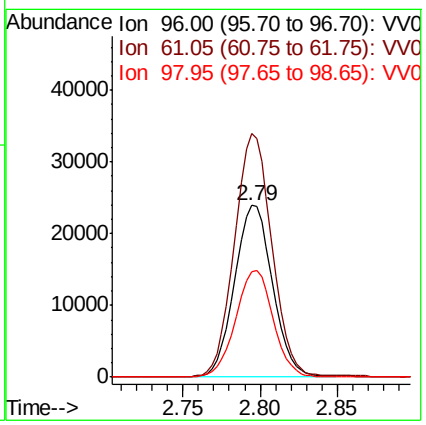


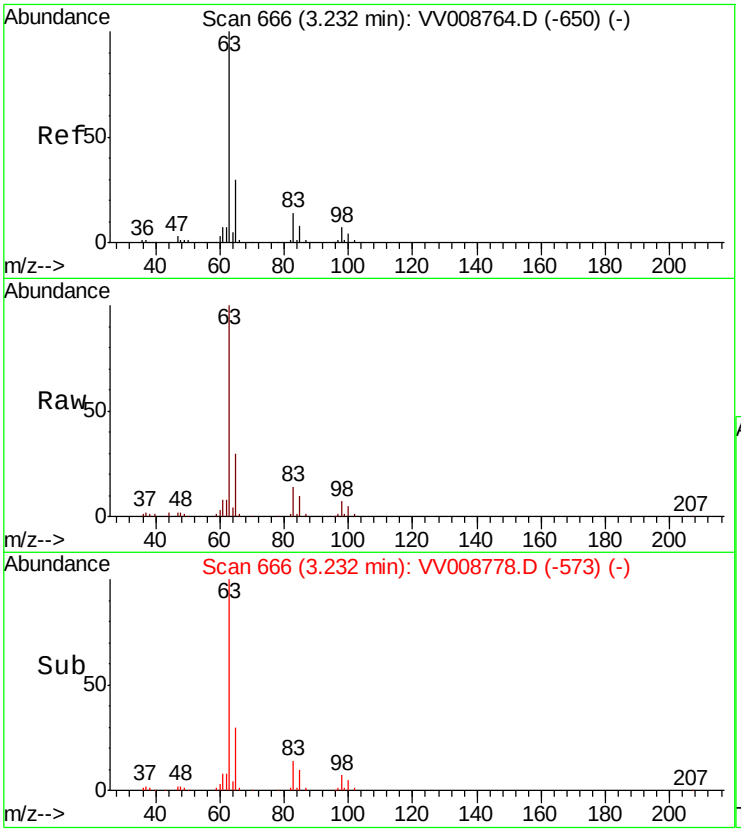




#18
trans-1,2-Dichloroethene
Concen: 4.906 ug/L
RT: 2.79 min Scan# 530
Delta R.T. -0.00 min
Lab File: VV008778.D
Acq: 29 Nov 2018 21:18

Tgt Ion: 96 Resp: 40961

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 141.8 | 95.8 | 177.8 |
| 98 | 61.7 | 43.3 | 80.3 |



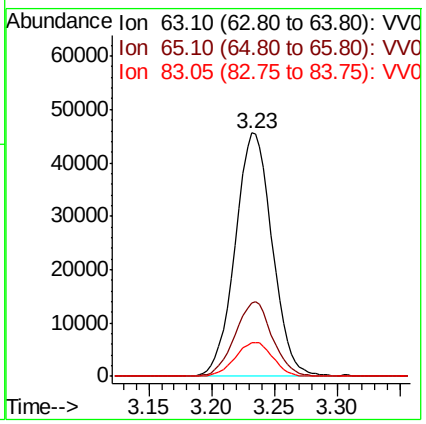


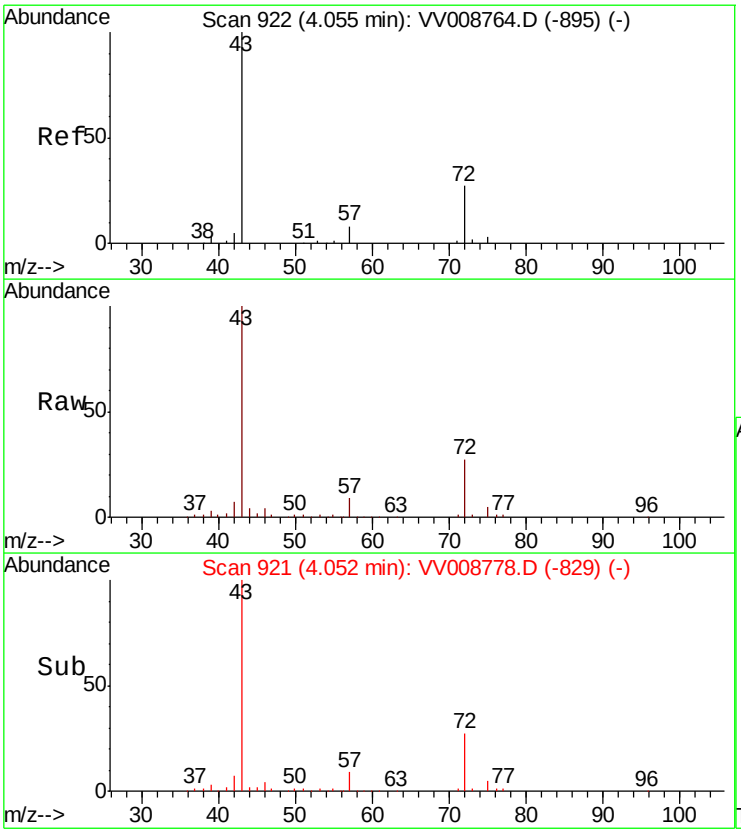

#19
1,1-Dichloroethane
Concen: 5.053 ug/L
RT: 3.23 min Scan# 666
Delta R.T. -0.00 min
Lab File: VV008778.D
Acq: 29 Nov 2018 21:18

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00570

Tgt Ion: 63 Resp: 93753

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.0 | 21.3 | 39.6 |
| 83 | 13.6 | 9.9 | 18.5 |

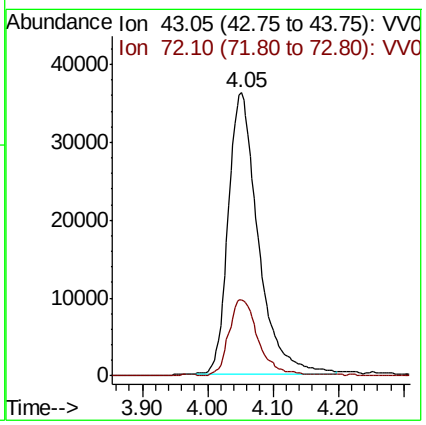


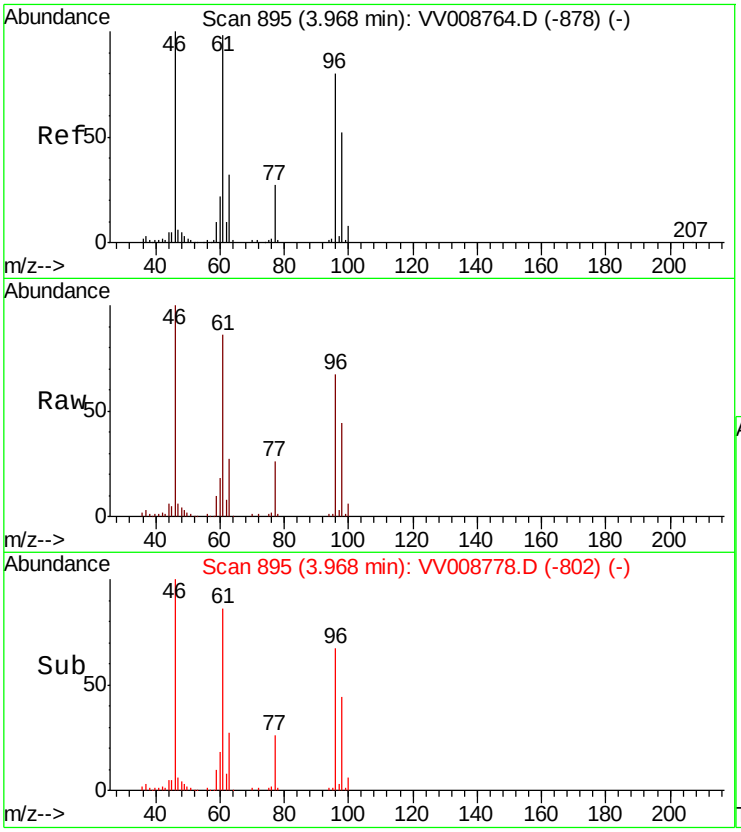




#21
2-Butanone
Concen: 48.099 ug/L
RT: 4.05 min Scan# 921
Delta R.T. -0.00 min
Lab File: VV008778.D
Acq: 29 Nov 2018 21:18

Tgt Ion: 43 Resp: 115025

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 26.2 | 13.6 | 40.8 |



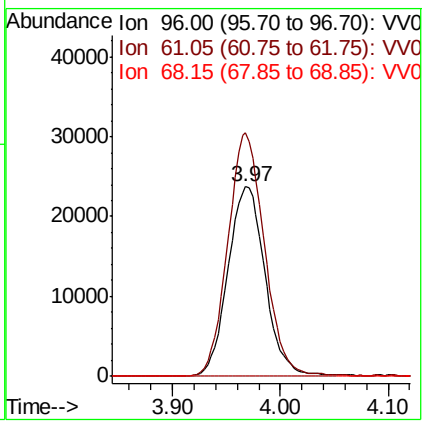


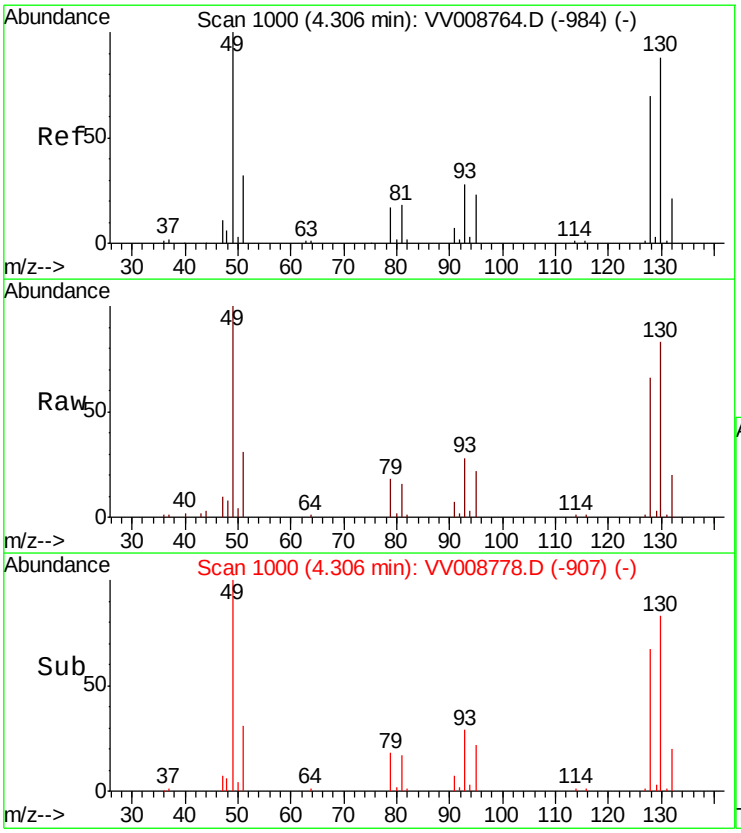

#22
cis-1,2-Dichloroethene
Concen: 4.857 ug/L
RT: 3.97 min Scan# 895
Delta R.T. -0.00 min
Lab File: VV008778.D
Acq: 29 Nov 2018 21:18

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00570

Tgt Ion: 96 Resp: 56970

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 128.5 | 85.9 | 159.5 |
| 68 | 0.0 | 0.0 | 0.0 |

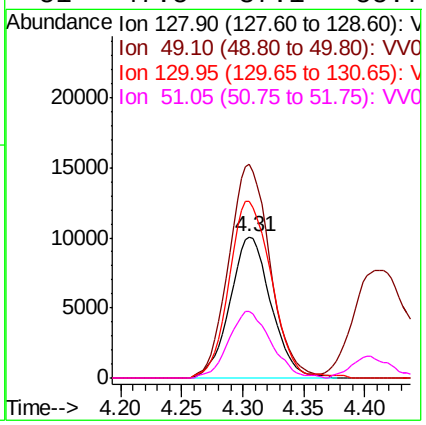


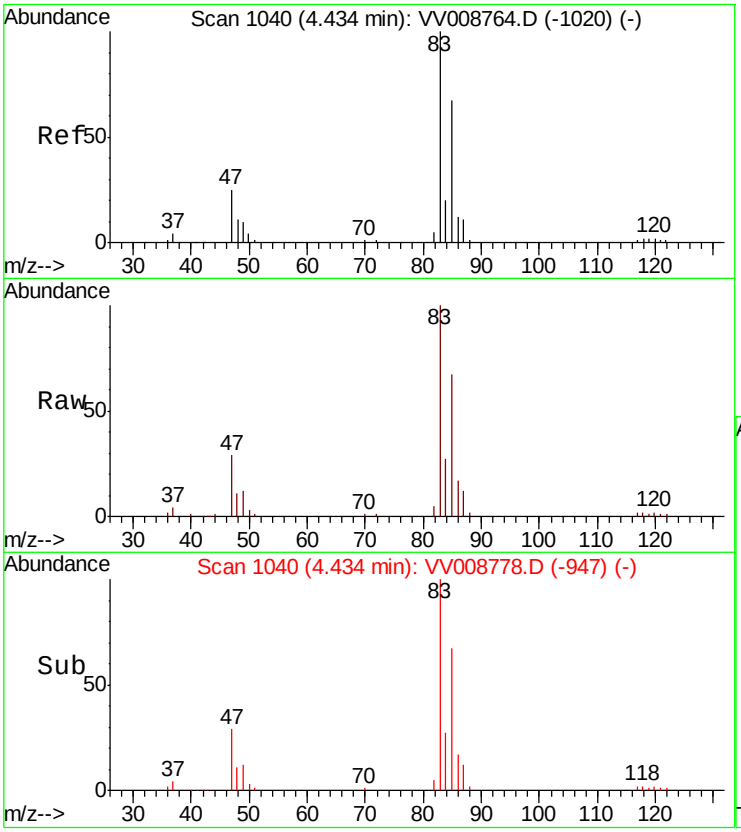




#23
Bromochloromethane
Concen: 4.886 ug/L
RT: 4.31 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VV008778.D
Acq: 29 Nov 2018 21:18

Tgt Ion:128 Resp: 23515

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 49 | 151.2 | 100.4 | 186.4 |
| 130 | 125.0 | 88.5 | 164.4 |
| 51 | 47.5 | 37.1 | 55.7 |



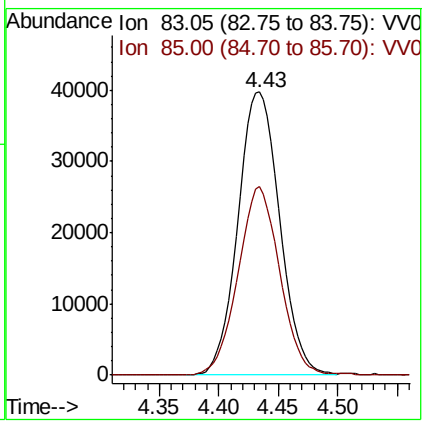


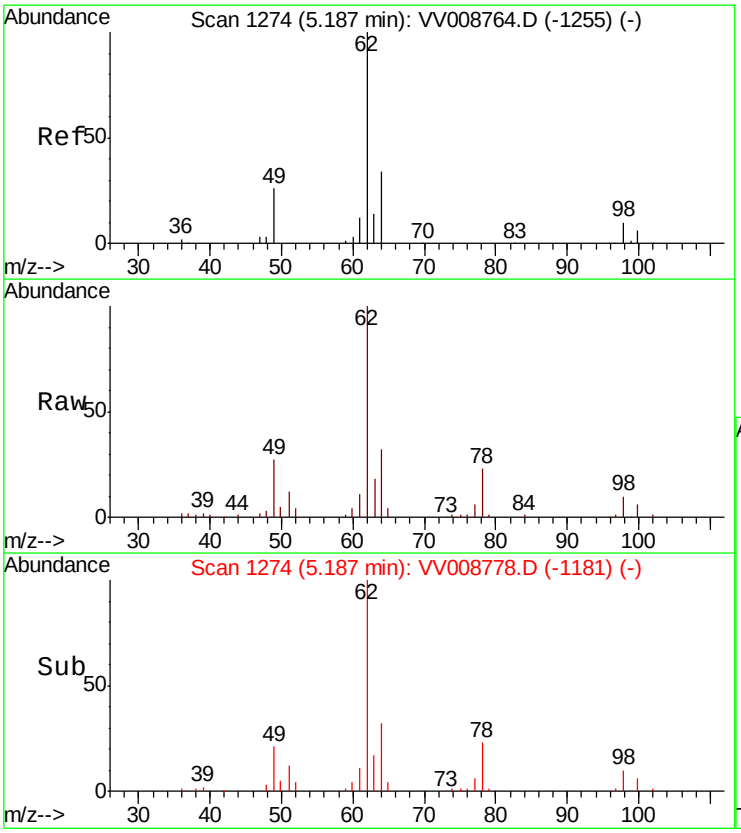

#25
Chloroform
Concen: 4.793 ug/L
RT: 4.43 min Scan# 1040
Delta R.T. -0.00 min
Lab File: VV008778.D
Acq: 29 Nov 2018 21:18

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00570

Tgt Ion: 83 Resp: 96659

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 66.6 | 47.0 | 87.4 |

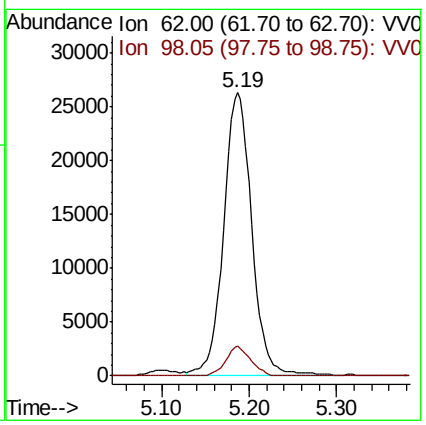


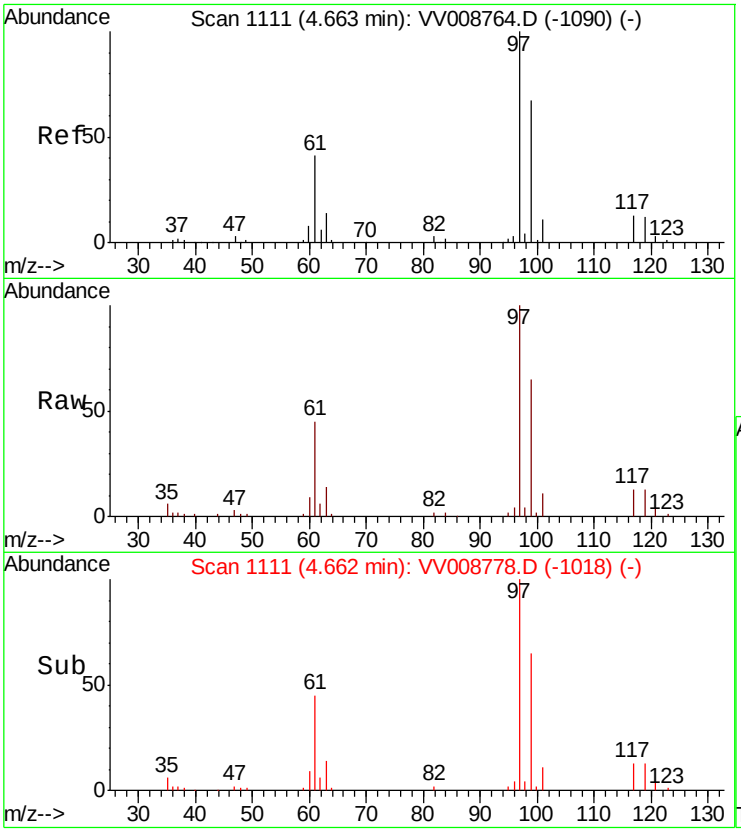




#27
1,2-Dichloroethane
Concen: 5.076 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. -0.00 min
Lab File: VV008778.D
Acq: 29 Nov 2018 21:18

Tgt Ion: 62 Resp: 58819

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 10.5 | 7.7 | 11.5 |



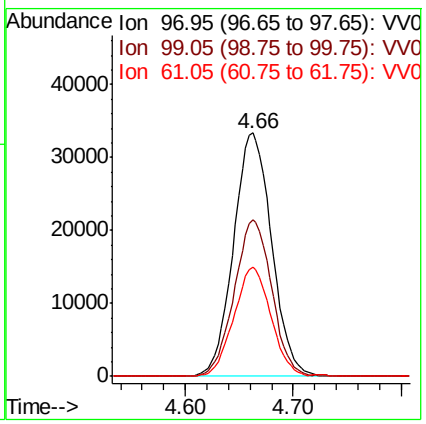


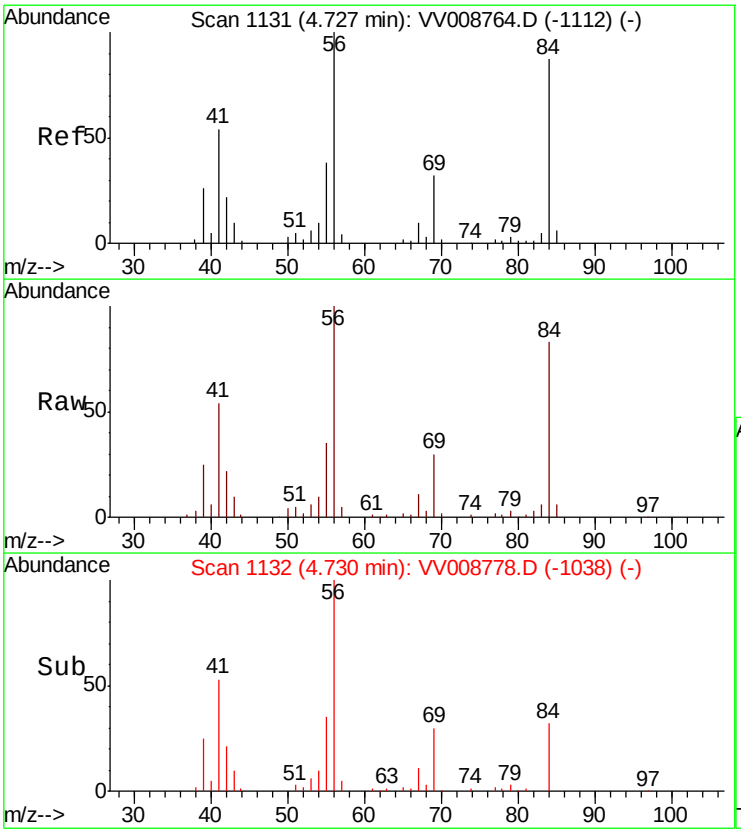

#29
1,1,1-Trichloroethane
Concen: 4.944 ug/L
RT: 4.66 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VV008778.D
Acq: 29 Nov 2018 21:18

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00570

Tgt Ion: 97 Resp: 82150

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 62.9 | 52.1 | 78.1 |
| 61 | 43.4 | 33.9 | 50.9 |

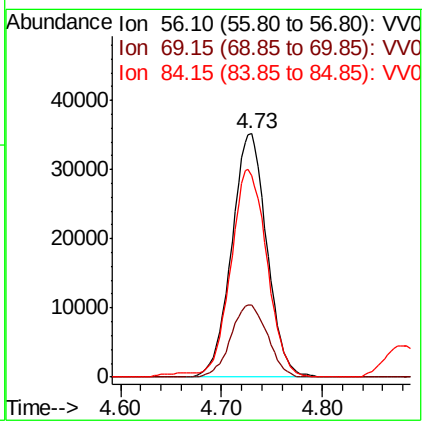


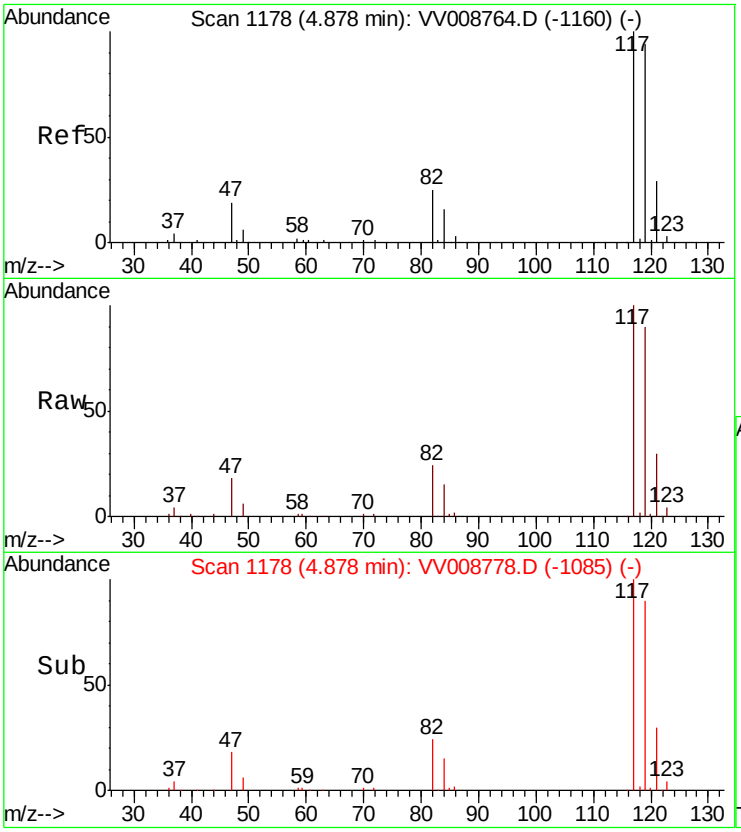




#30
Cyclohexane
Concen: 4.859 ug/L
RT: 4.73 min Scan# 1132
Delta R.T. 0.00 min
Lab File: VV008778.D
Acq: 29 Nov 2018 21:18

Tgt Ion: 56 Resp: 85038

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 30.9 | 25.1 | 37.7 |
| 84 | 87.7 | 70.8 | 106.2 |



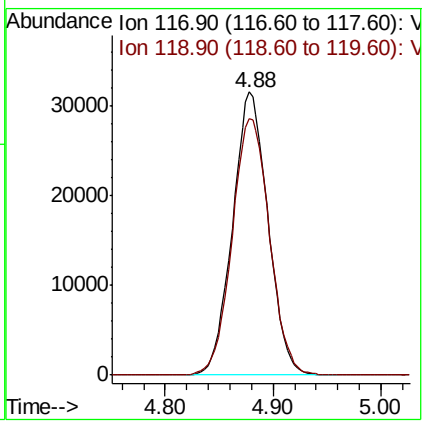


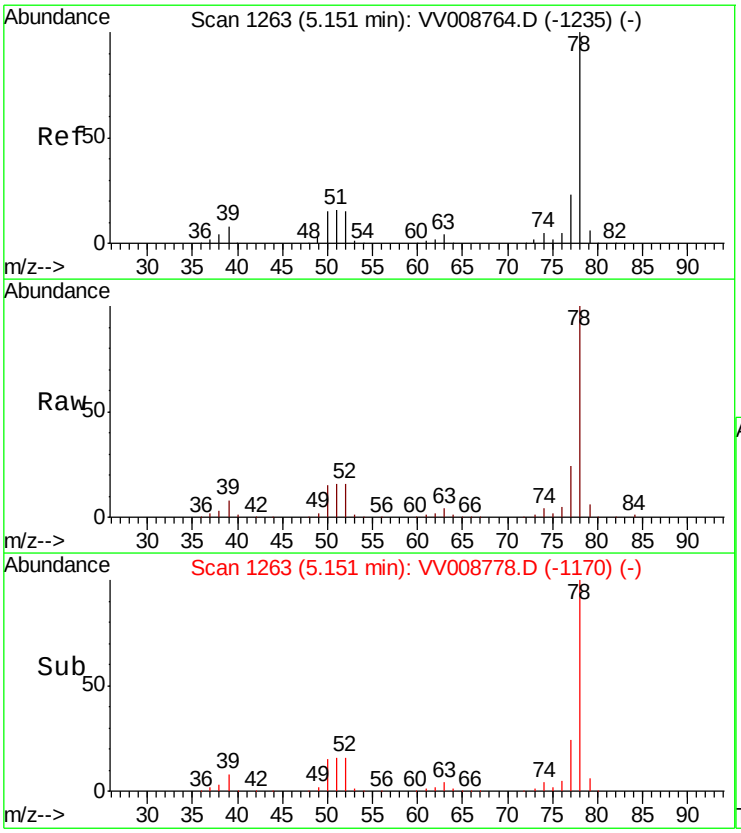

#31
Carbon tetrachloride
Concen: 5.008 ug/L
RT: 4.88 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VV008778.D
Acq: 29 Nov 2018 21:18

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00570

Tgt Ion:117 Resp: 72031

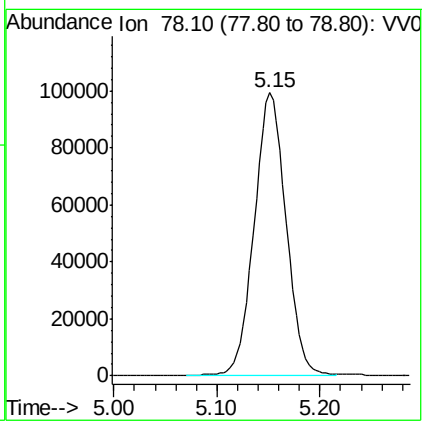
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.1 | 77.7 | 116.5 |

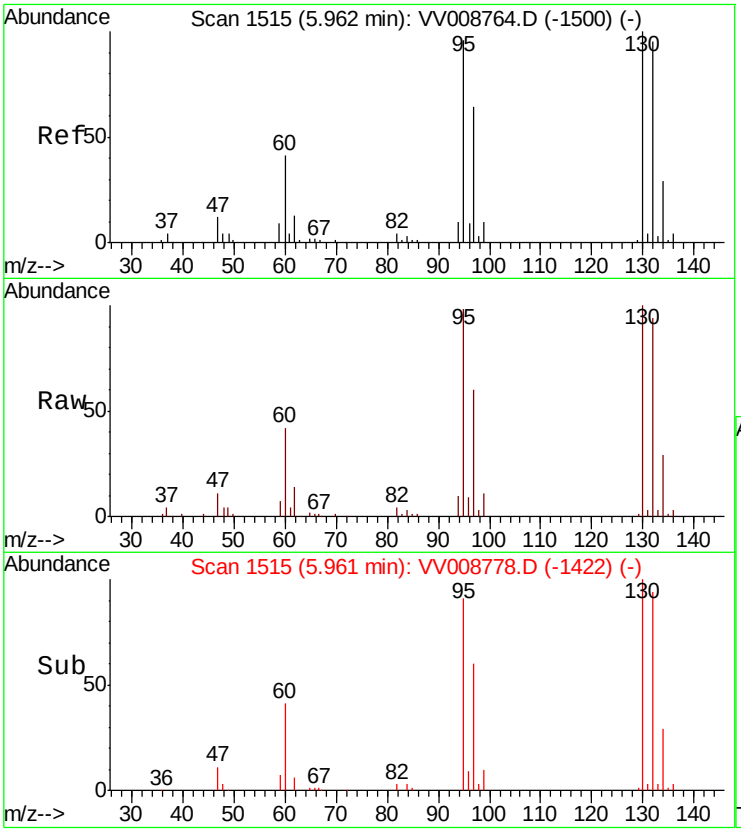



#33
Benzene
Concen: 4.986 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VV008778.D
Acq: 29 Nov 2018 21:18

Tgt Ion: 78 Resp: 212845



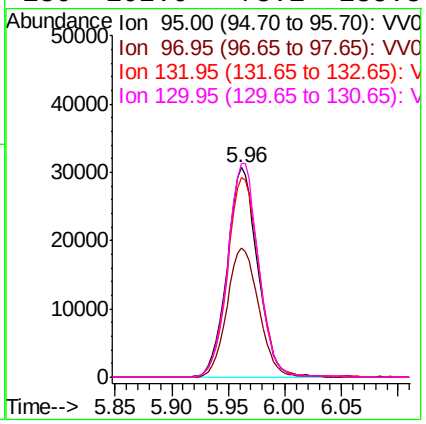


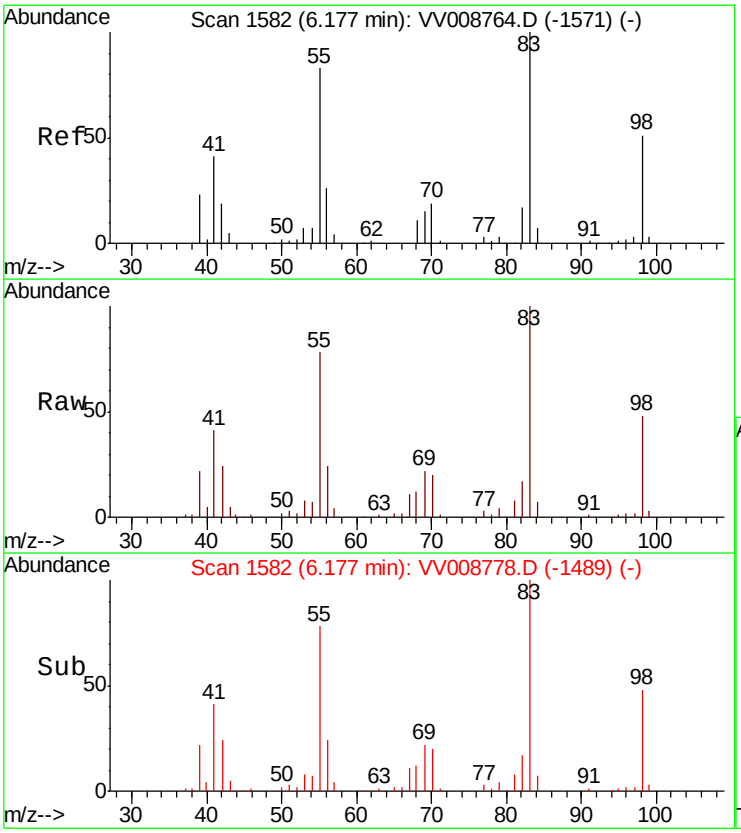

#34
Trichloroethene
Concen: 4.891 ug/L
RT: 5.96 min Scan# 1515
Delta R.T. -0.00 min
Lab File: VV008778.D
Acq: 29 Nov 2018 21:18

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00570

Tgt Ion: 95 Resp: 58059

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 61.6 | 46.5 | 86.3 |
| 132 | 95.6 | 69.4 | 128.8 |
| 130 | 102.0 | 73.1 | 135.8 |

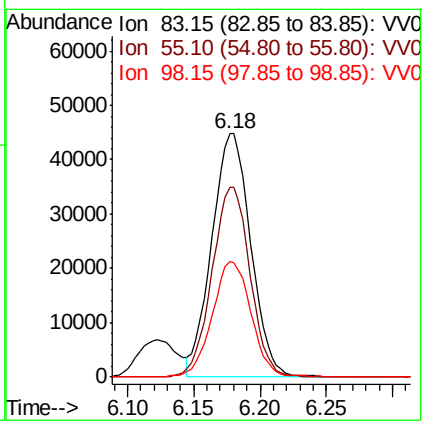


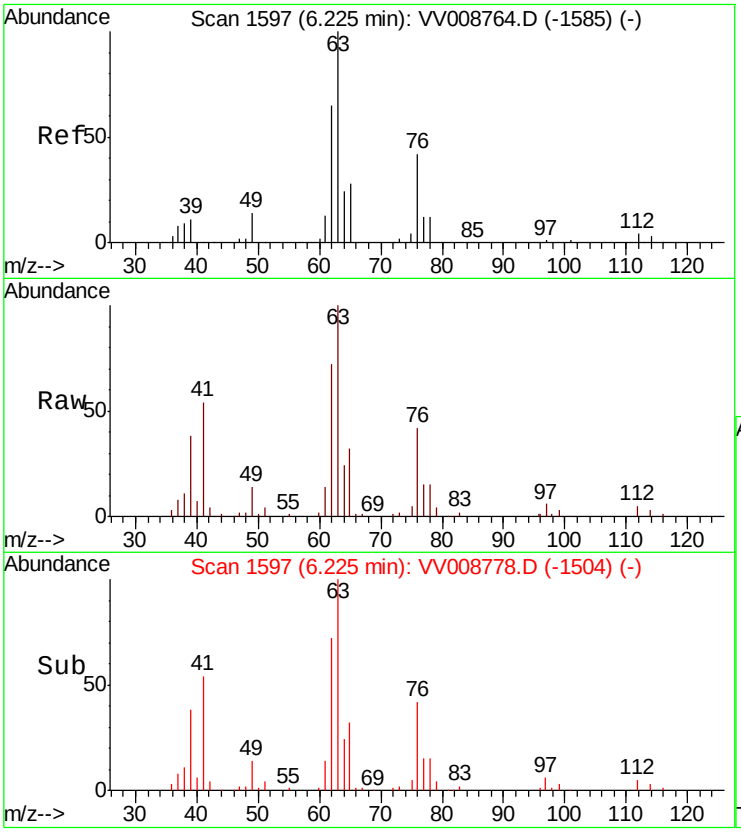




#35
Methylcyclohexane
Concen: 4.872 ug/L
RT: 6.18 min Scan# 1582
Delta R.T. -0.00 min
Lab File: VV008778.D
Acq: 29 Nov 2018 21:18

Tgt Ion: 83 Resp: 91716

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 76.0 | 60.1 | 90.1 |
| 98 | 47.0 | 37.4 | 56.2 |



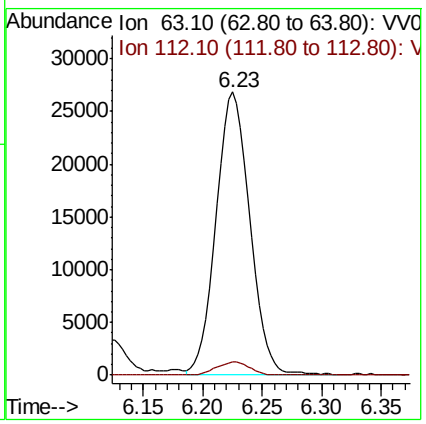


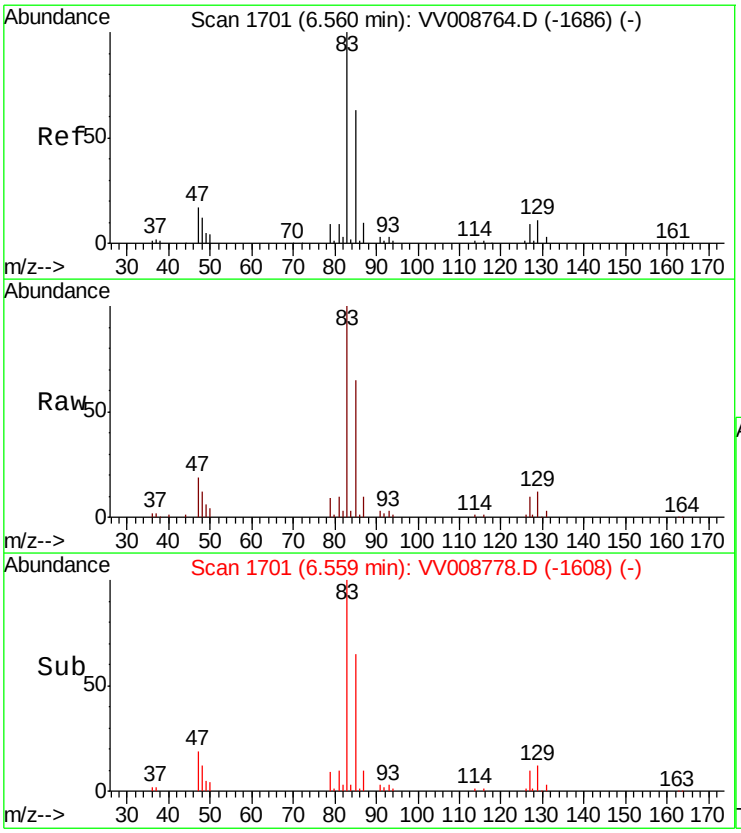

#37
1,2-Dichloropropane
Concen: 4.992 ug/L
RT: 6.23 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VV008778.D
Acq: 29 Nov 2018 21:18

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00570

Tgt Ion: 63 Resp: 52978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 4.5 | 3.5 | 5.3 |

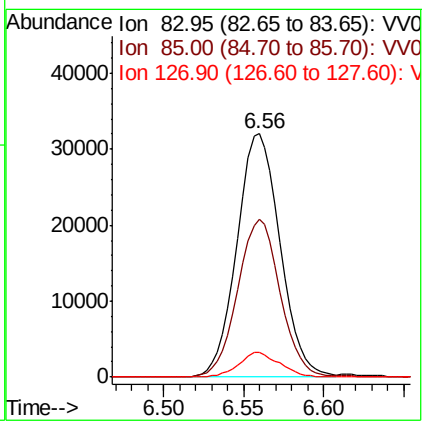


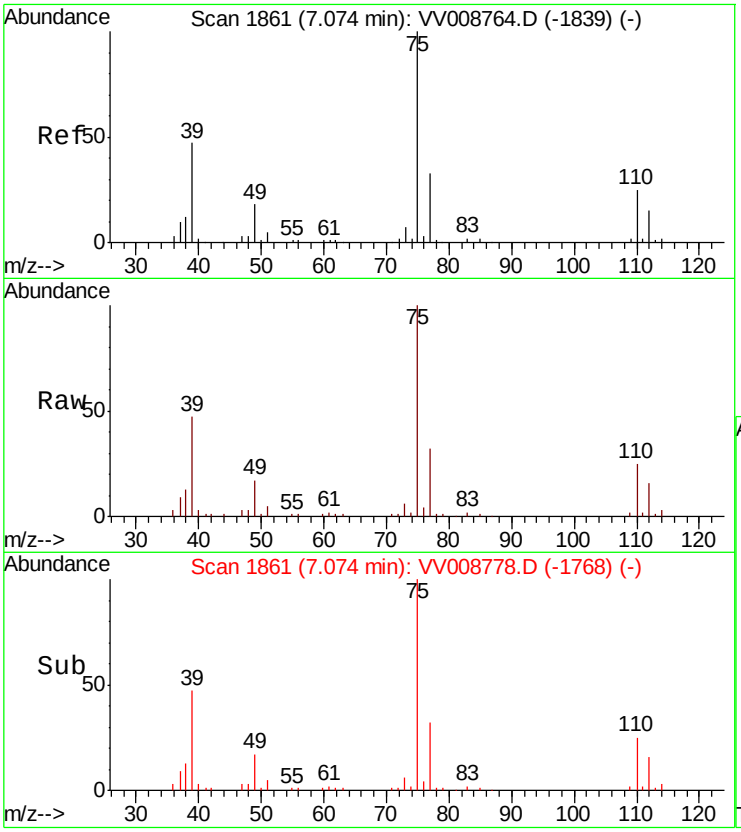




#38
Bromodichloromethane
Concen: 4.869 ug/L
RT: 6.56 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VV008778.D
Acq: 29 Nov 2018 21:18

Tgt Ion: 83 Resp: 59007

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.7 | 44.4 | 82.4 |
| 127 | 10.2 | 6.9 | 10.3 |



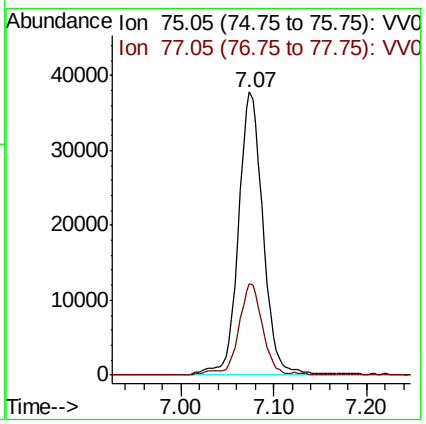


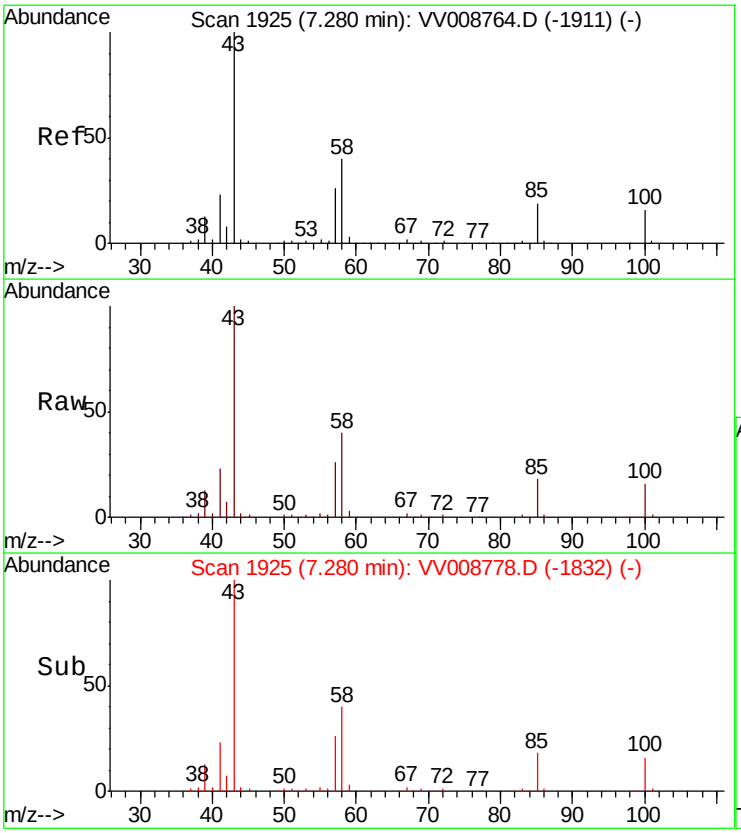

#39
cis-1,3-Dichloropropene
Concen: 4.998 ug/L
RT: 7.07 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VV008778.D
Acq: 29 Nov 2018 21:18

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00570

Tgt Ion: 75 Resp: 69663

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.2 | 22.8 | 42.4 |

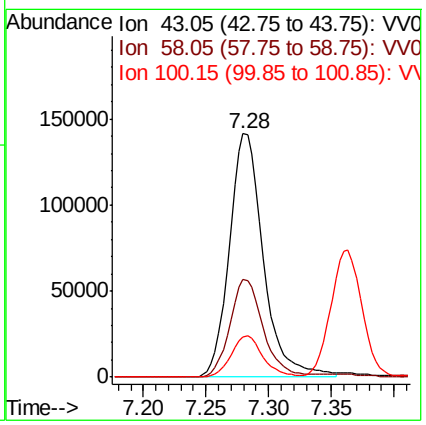


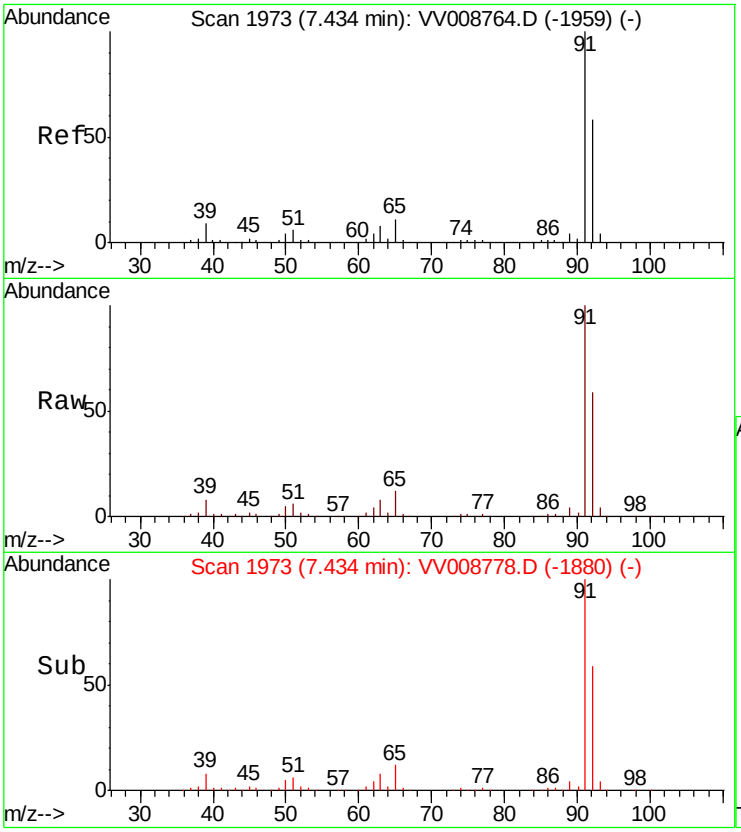




#40
4-Methyl-2-pentanone
Concen: 48.508 ug/L
RT: 7.28 min Scan# 1925
Delta R.T. -0.00 min
Lab File: VV008778.D
Acq: 29 Nov 2018 21:18

Tgt Ion: 43 Resp: 266437

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 40.0 | 31.3 | 46.9 |
| 100 | 16.0 | 12.6 | 19.0 |



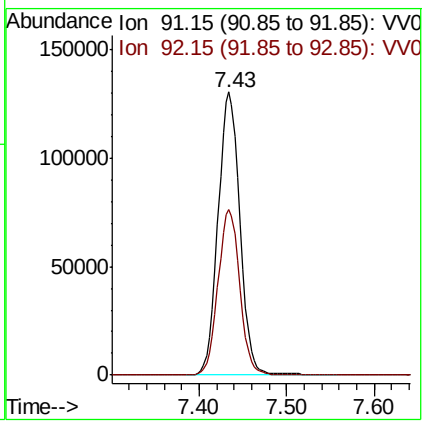


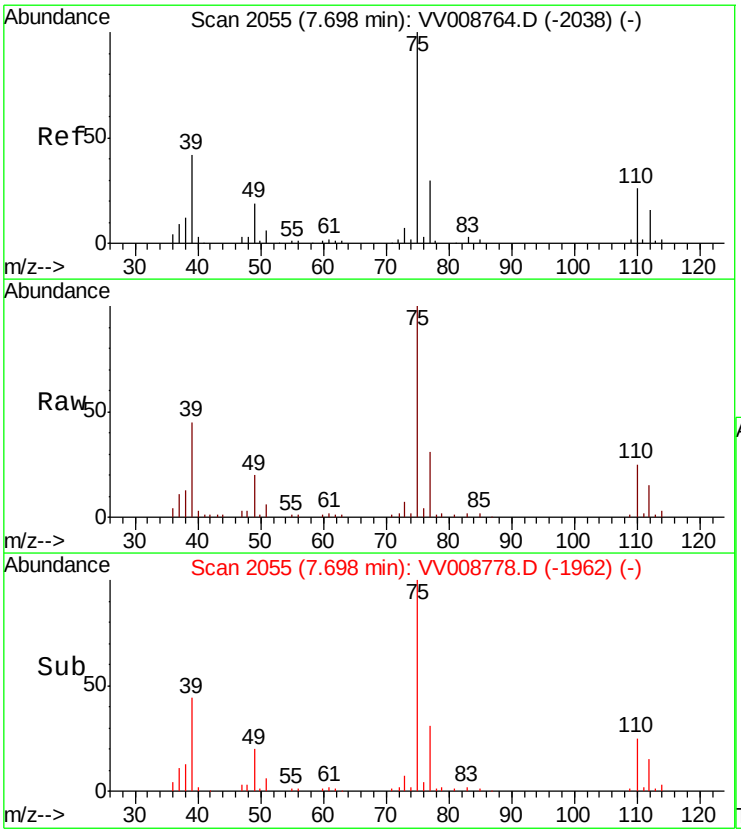

#42
Toluene
Concen: 5.068 ug/L
RT: 7.43 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VV008778.D
Acq: 29 Nov 2018 21:18

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00570

Tgt Ion: 91 Resp: 226455

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 58.7 | 40.5 | 75.3 |

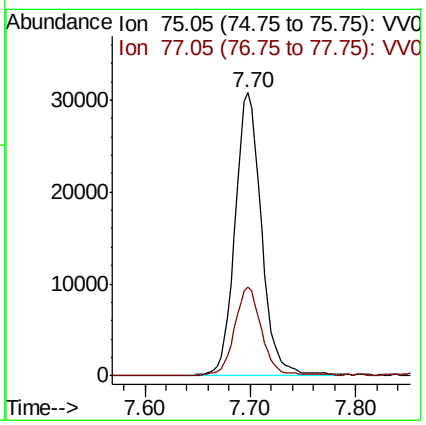


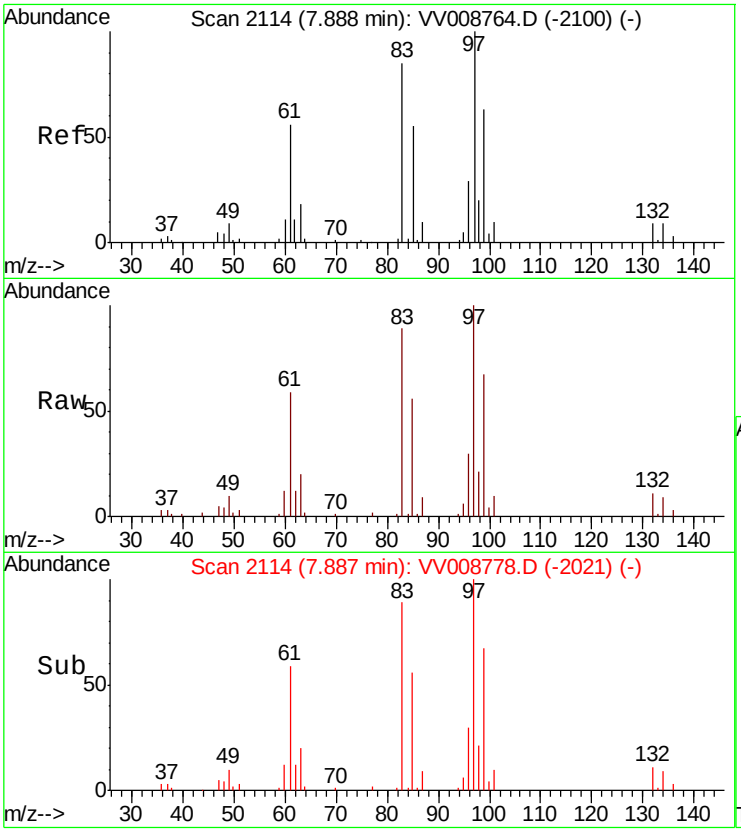




#44
trans-1,3-Dichloropropene
Concen: 4.886 ug/L
RT: 7.70 min Scan# 2055
Delta R.T. -0.00 min
Lab File: VV008778.D
Acq: 29 Nov 2018 21:18

Tgt Ion: 75 Resp: 53680

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.4 | 21.3 | 39.5 |



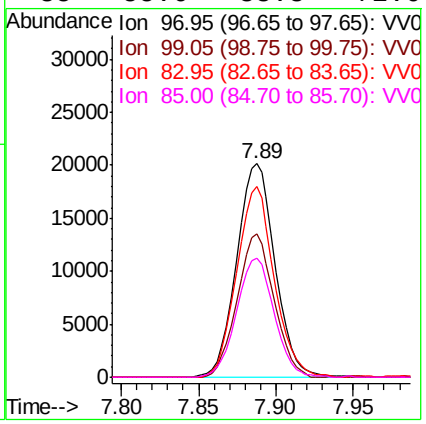


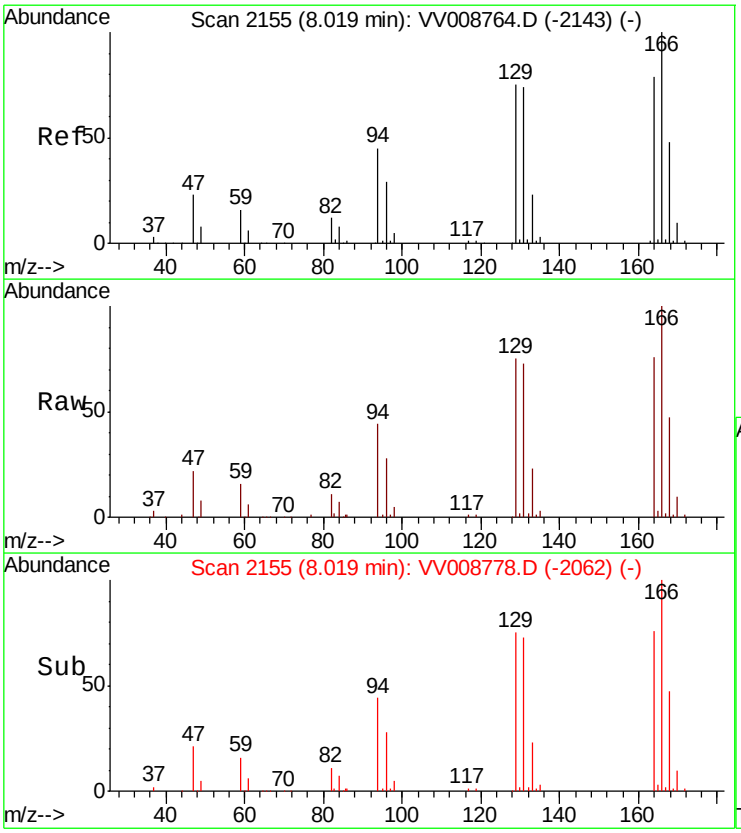

#45
1,1,2-Trichloroethane
Concen: 4.937 ug/L
RT: 7.89 min Scan# 2114
Delta R.T. -0.00 min
Lab File: VV008778.D
Acq: 29 Nov 2018 21:18

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00570

Tgt Ion: 97 Resp: 34759

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 67.1 | 44.2 | 82.2 |
| 83 | 89.2 | 59.6 | 110.6 |
| 85 | 55.6 | 38.8 | 72.0 |

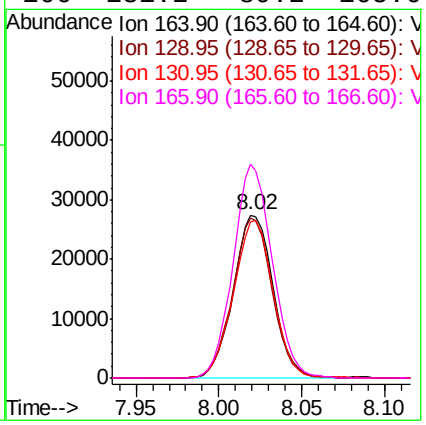


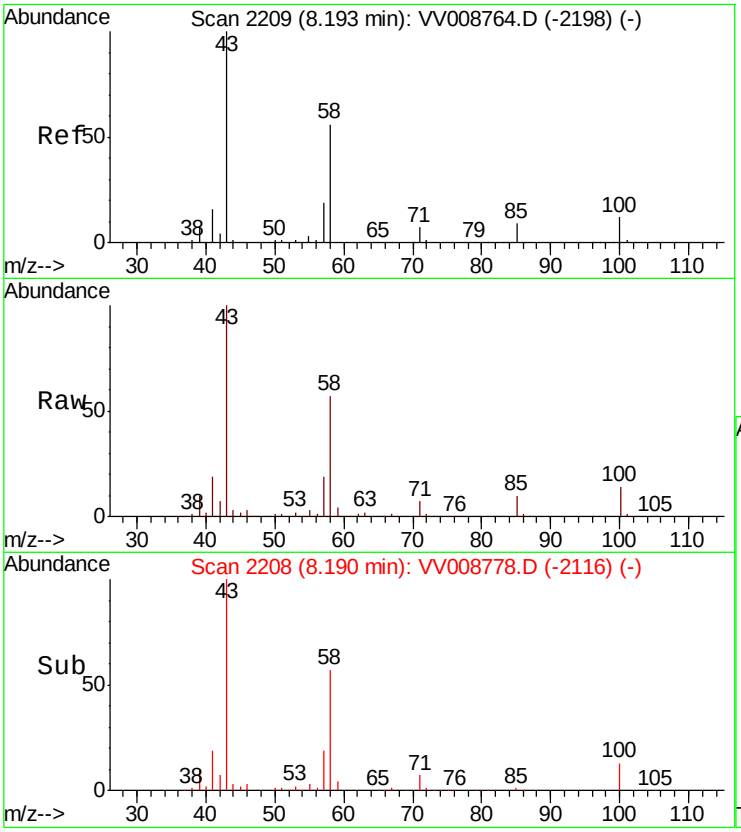




#47
Tetrachloroethene
Concen: 4.964 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. -0.00 min
Lab File: VV008778.D
Acq: 29 Nov 2018 21:18

Tgt Ion:164 Resp: 45569

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 98.7 | 67.5 | 125.3 |
| 131 | 95.6 | 65.9 | 122.5 |
| 166 | 131.2 | 89.2 | 165.6 |



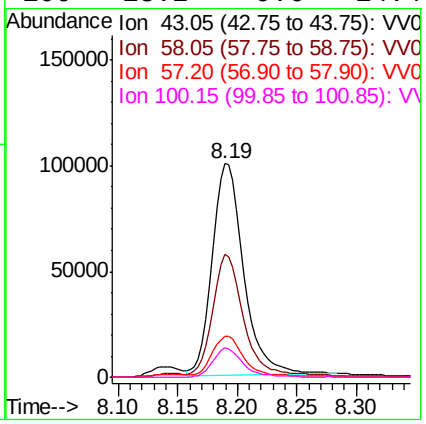


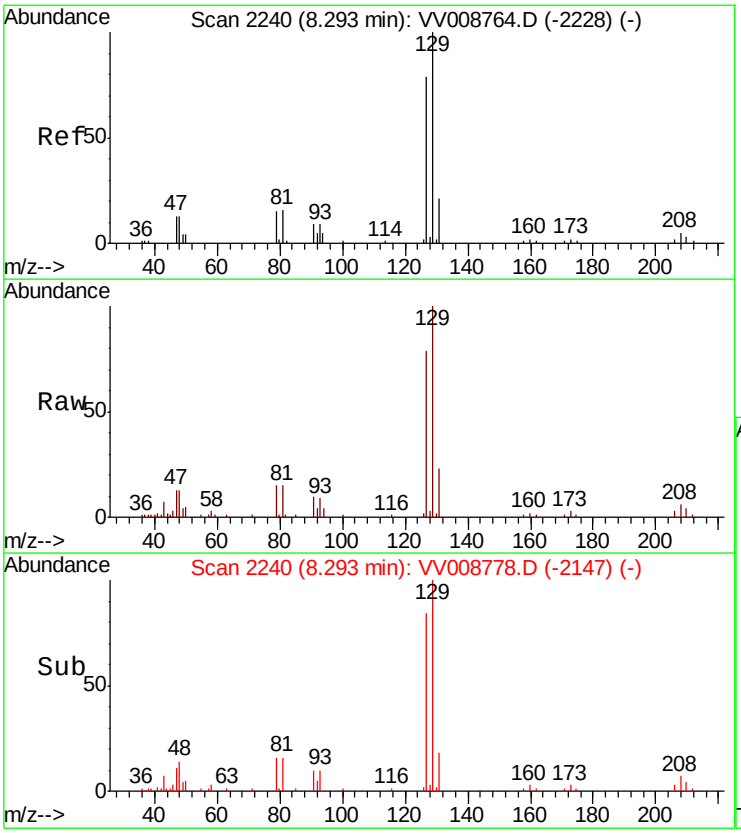

#48
2-Hexanone
Concen: 48.189 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VV008778.D
Acq: 29 Nov 2018 21:18

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00570

Tgt Ion: 43 Resp: 185817

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 56.7 | 44.5 | 66.7 |
| 57 | 19.0 | 15.2 | 22.8 |
| 100 | 13.2 | 9.6 | 14.4 |

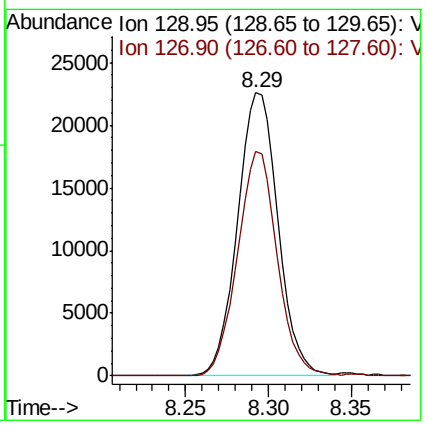


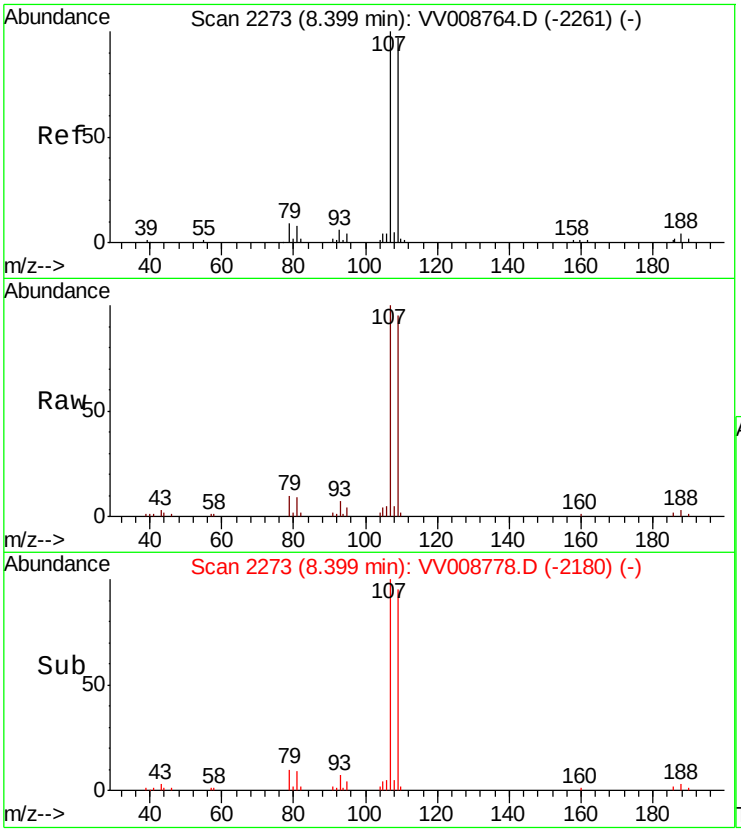




#49
Dibromochloromethane
Concen: 5.016 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VV008778.D
Acq: 29 Nov 2018 21:18

Tgt Ion:129 Resp: 38456

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 79.4 | 55.3 | 102.7 |



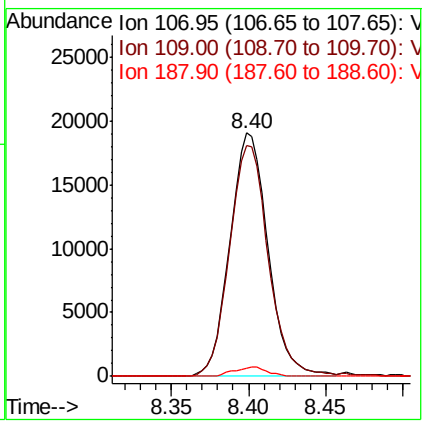


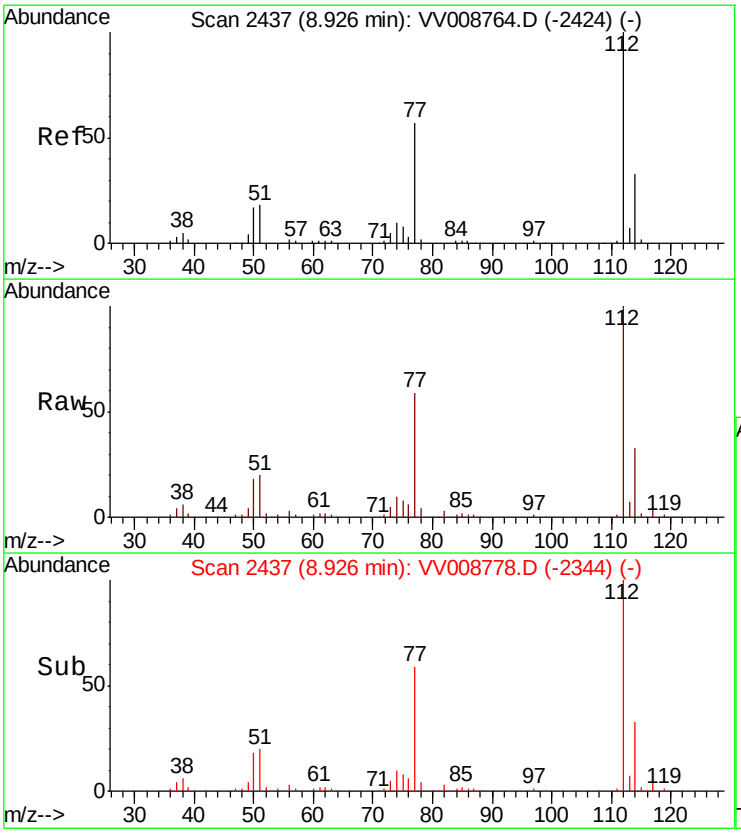

#50
1,2-Dibromoethane
Concen: 4.932 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VV008778.D
Acq: 29 Nov 2018 21:18

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00570

Tgt Ion:107 Resp: 32591

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 94.9 | 67.8 | 126.0 |
| 188 | 3.5 | 3.1 | 4.7 |

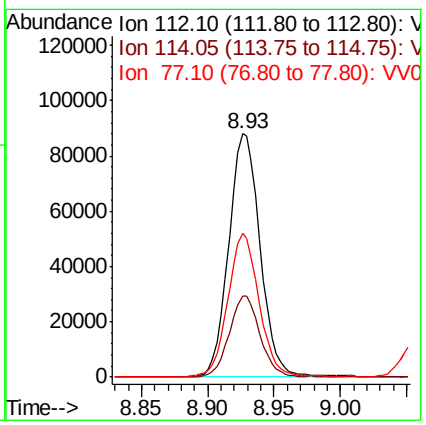


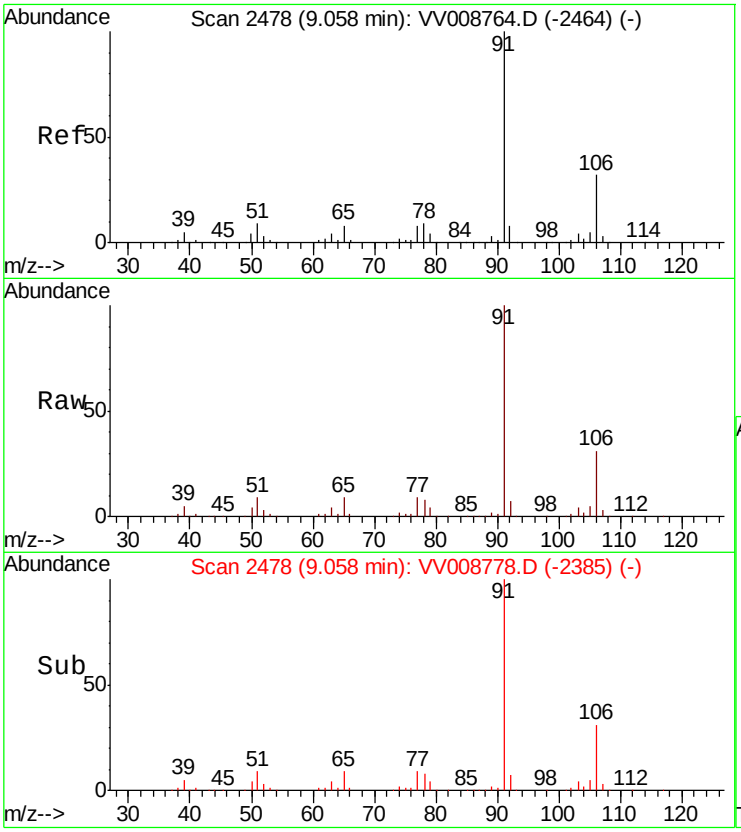




#51
Chlorobenzene
Concen: 4.935 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. -0.00 min
Lab File: VV008778.D
Acq: 29 Nov 2018 21:18

Tgt Ion:112 Resp: 145158

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 33.2 | 22.8 | 42.4 |
| 77 | 58.8 | 46.2 | 69.4 |



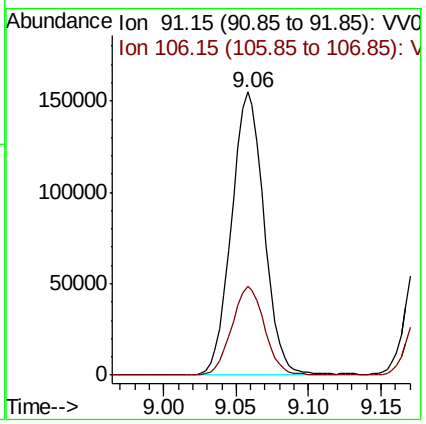


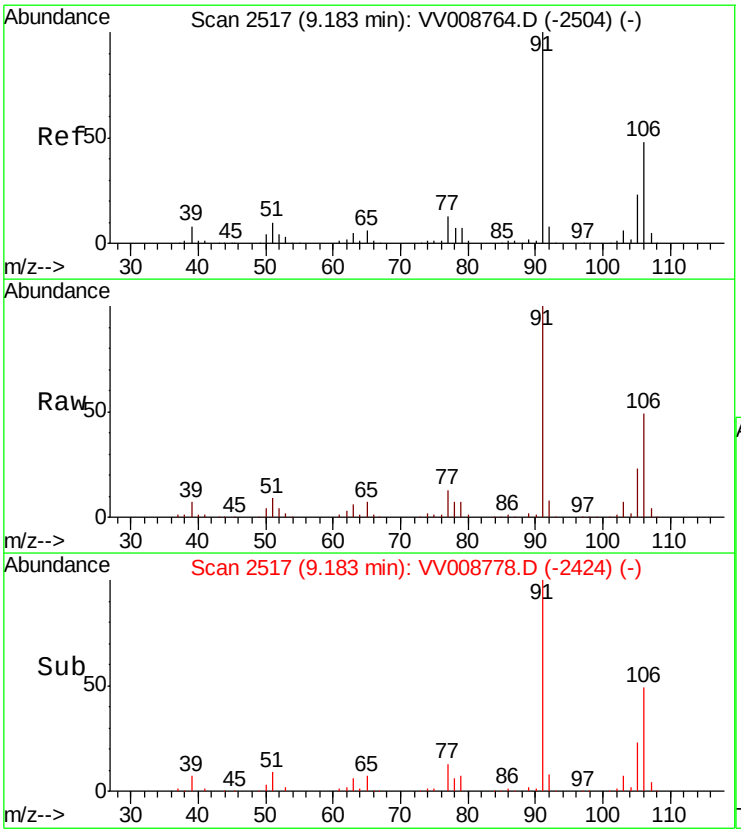

#52
Ethylbenzene
Concen: 5.005 ug/L
RT: 9.06 min Scan# 2478
Delta R.T. -0.00 min
Lab File: VV008778.D
Acq: 29 Nov 2018 21:18

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00570

Tgt Ion: 91 Resp: 241992

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 31.2 | 22.4 | 41.6 |

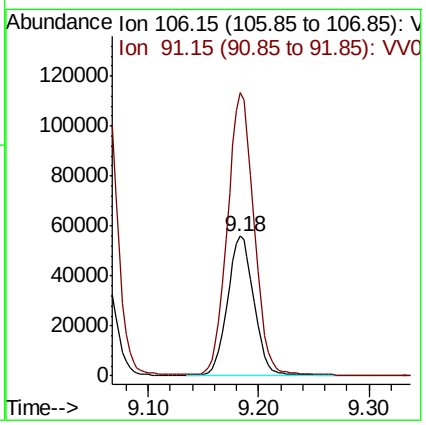


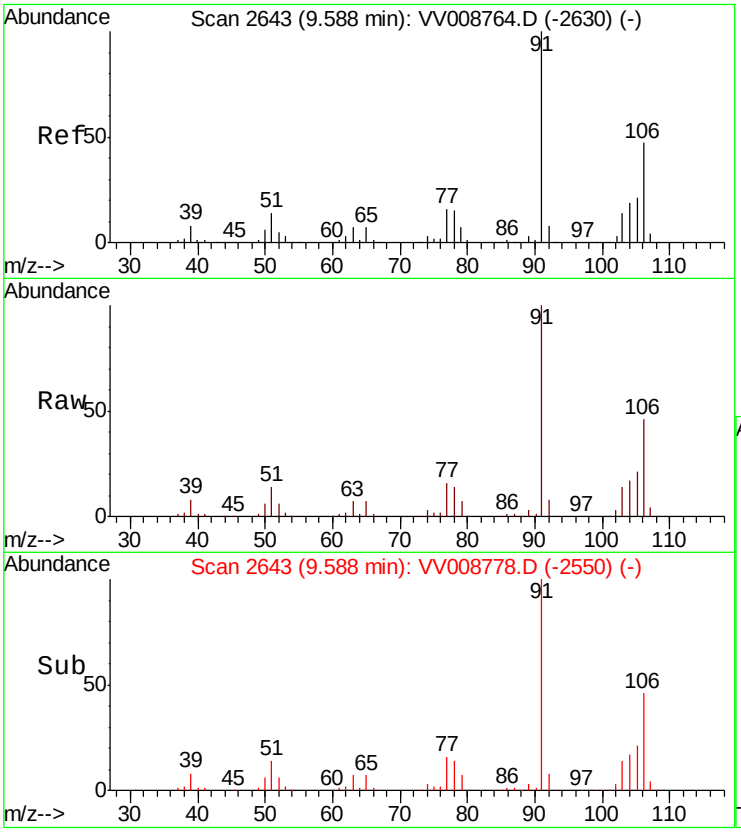




#53
m,p-xylene
Concen: 5.089 ug/L
RT: 9.18 min Scan# 2517
Delta R.T. -0.00 min
Lab File: VV008778.D
Acq: 29 Nov 2018 21:18

Tgt Ion:106 Resp: 92273

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 202.4 | 145.5 | 270.3 |



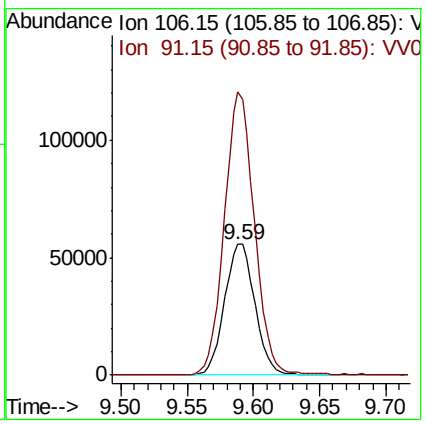


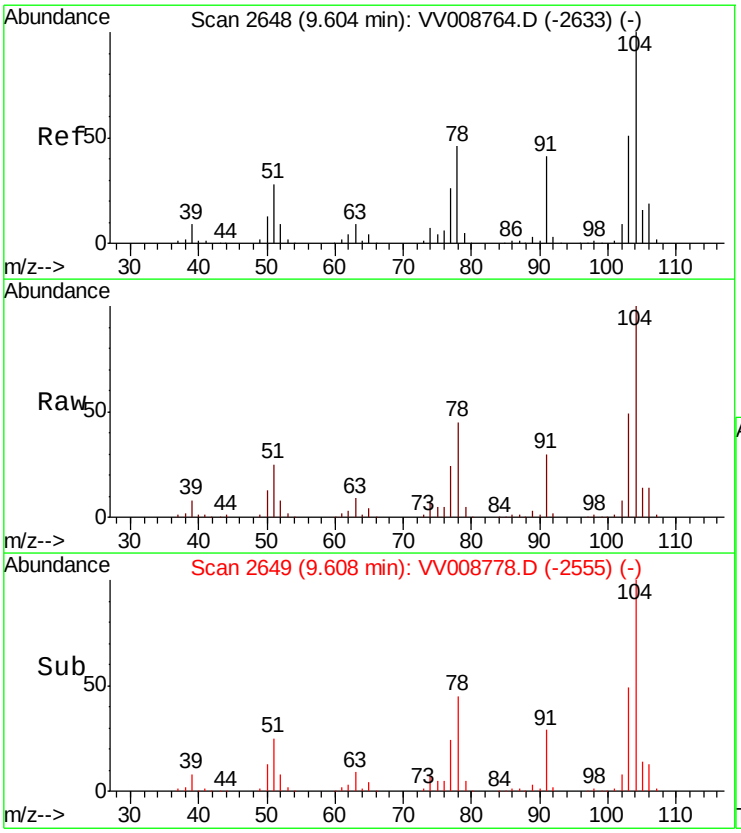

#54
o-xylene
Concen: 5.090 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. -0.00 min
Lab File: VV008778.D
Acq: 29 Nov 2018 21:18

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00570

Tgt Ion:106 Resp: 89041

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 216.4 | 148.7 | 276.1 |

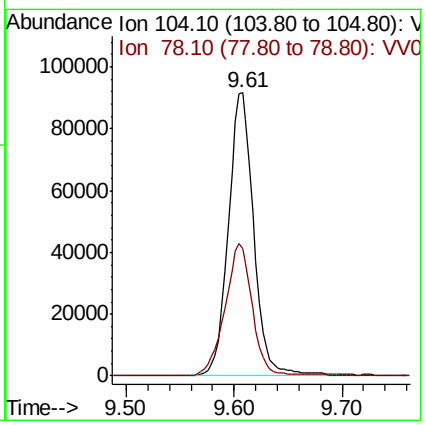


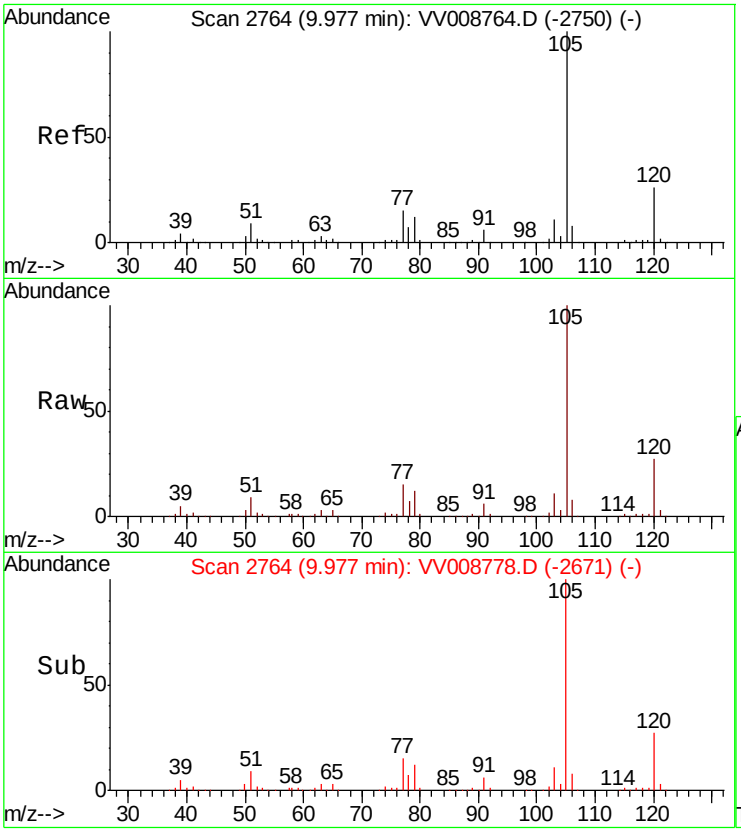




#55
Styrene
Concen: 5.175 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. 0.00 min
Lab File: VV008778.D
Acq: 29 Nov 2018 21:18

Tgt Ion:104 Resp: 150509

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 45.1 | 32.2 | 59.8 |



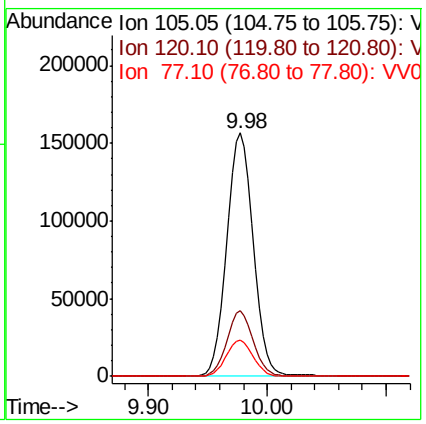


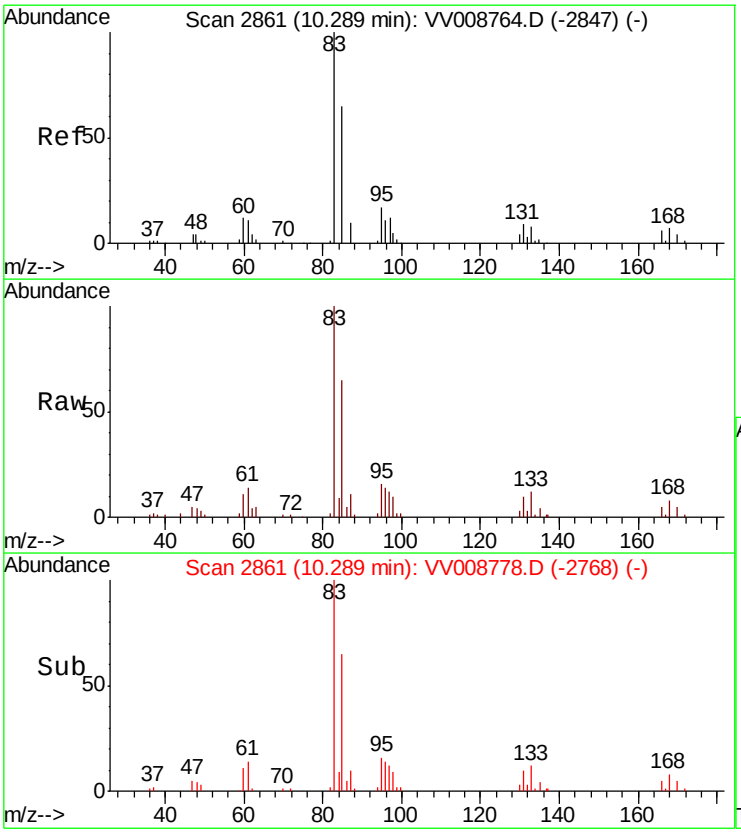

#56
Isopropylbenzene
Concen: 5.088 ug/L
RT: 9.98 min Scan# 2764
Delta R.T. -0.00 min
Lab File: VV008778.D
Acq: 29 Nov 2018 21:18

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD00570

Tgt Ion:105 Resp: 242445

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.5 | 21.5 | 32.3 |
| 77 | 15.1 | 12.2 | 18.4 |

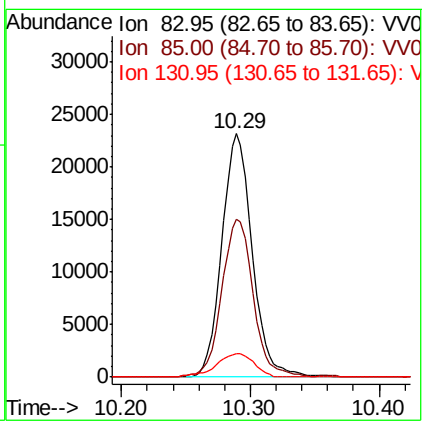


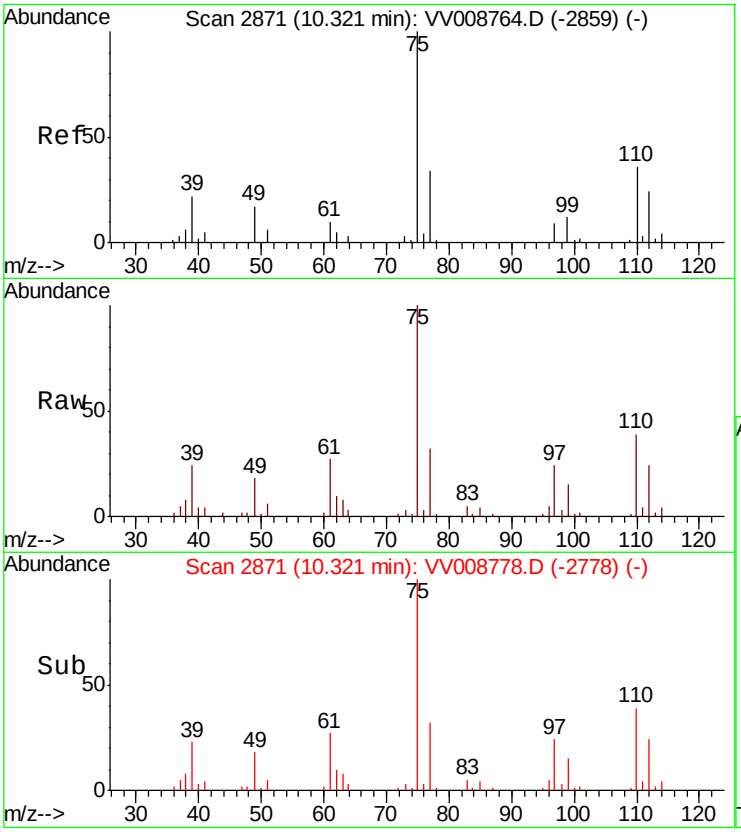




#58
1,1,2,2-Tetrachloroethane
Concen: 5.030 ug/L
RT: 10.29 min Scan# 2861
Delta R.T. -0.00 min
Lab File: VV008778.D
Acq: 29 Nov 2018 21:18

Tgt Ion: 83 Resp: 37769

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.0 | 45.6 | 84.8 |
| 131 | 9.7 | 7.3 | 10.9 |



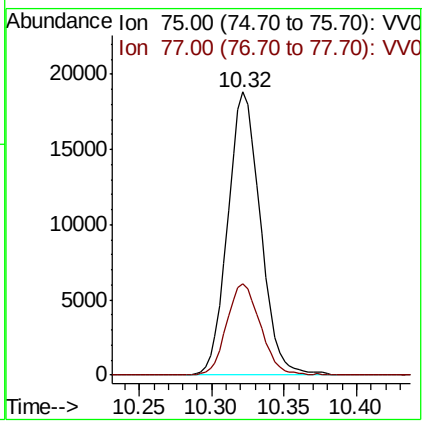


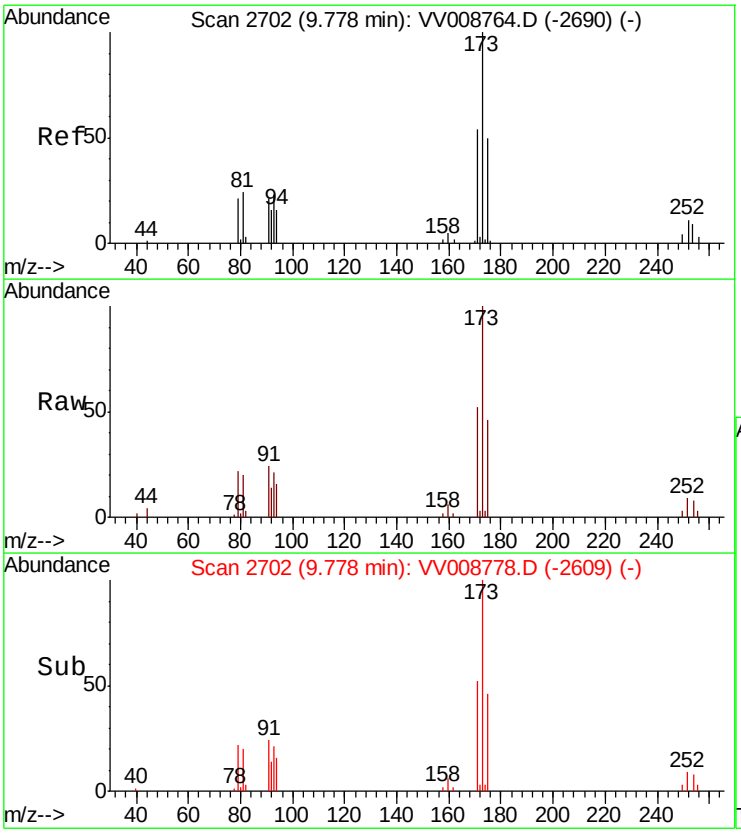

#59
1,2,3-Trichloropropane
Concen: 4.849 ug/L
RT: 10.32 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VV008778.D
Acq: 29 Nov 2018 21:18

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00570

Tgt Ion: 75 Resp: 29529

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 33.2 | 26.9 | 40.3 |

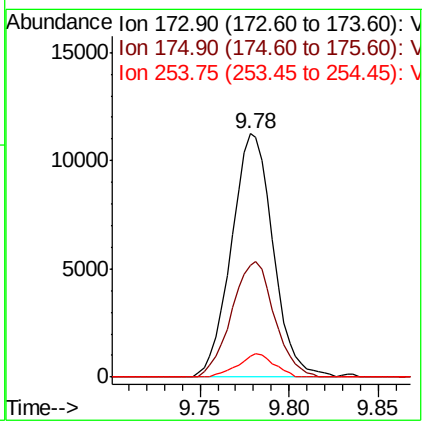


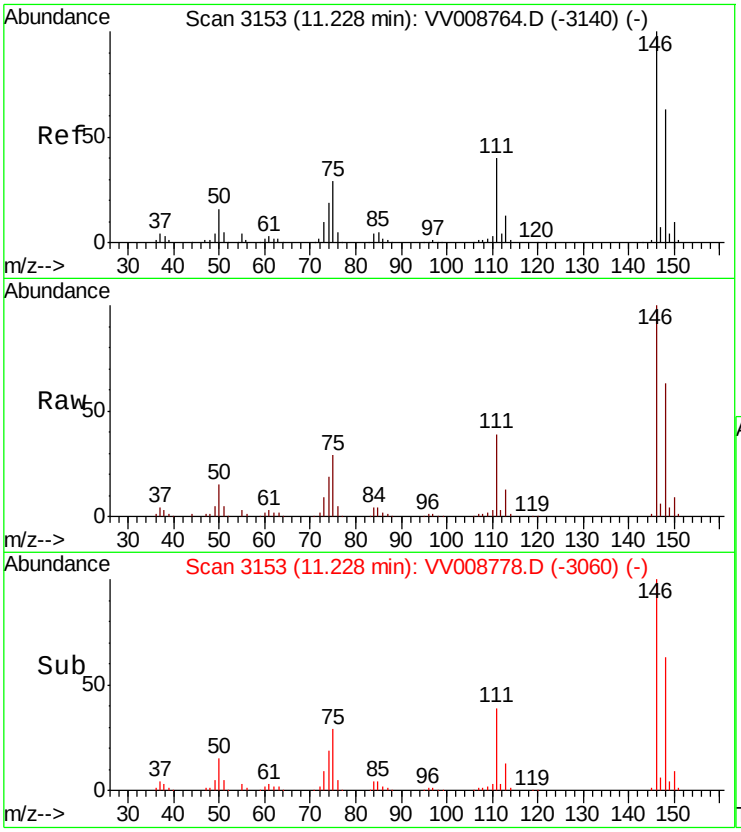




#61
Bromoform
Concen: 4.833 ug/L
RT: 9.78 min Scan# 2702
Delta R.T. -0.00 min
Lab File: VV008778.D
Acq: 29 Nov 2018 21:18

Tgt Ion:173 Resp: 18335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.7 | 39.6 | 59.4 |
| 254 | 8.3 | 6.9 | 10.3 |



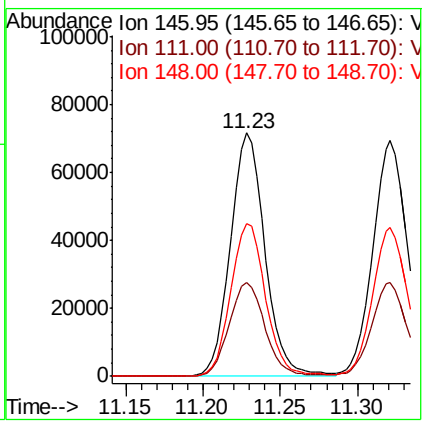


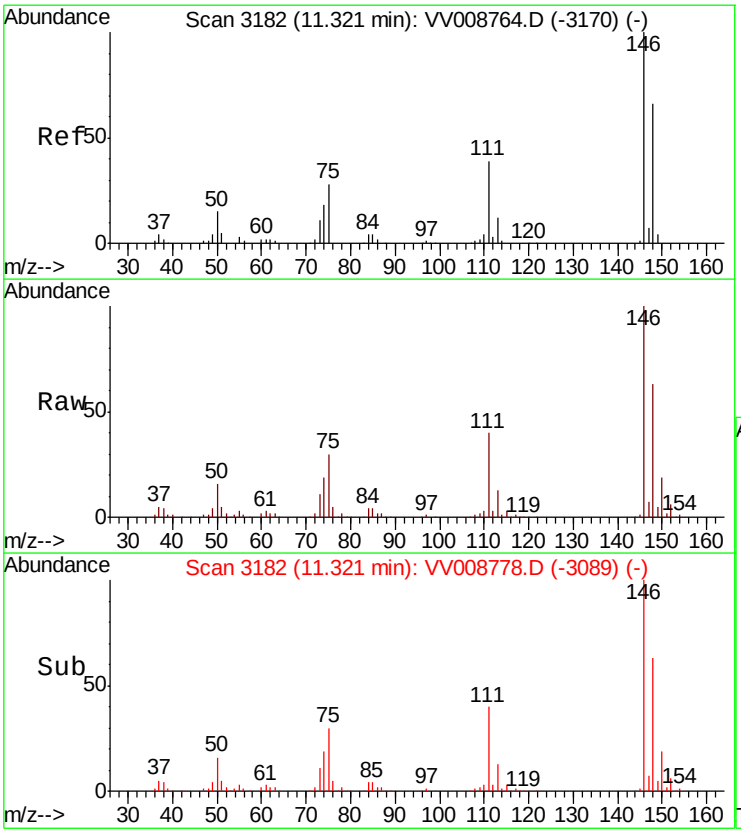

#62
1,3-Dichlorobenzene
Concen: 4.820 ug/L
RT: 11.23 min Scan# 3153
Delta R.T. -0.00 min
Lab File: VV008778.D
Acq: 29 Nov 2018 21:18

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00570

Tgt Ion:146 Resp: 111005

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 38.8 | 28.1 | 52.1 |
| 148 | 62.9 | 44.4 | 82.4 |

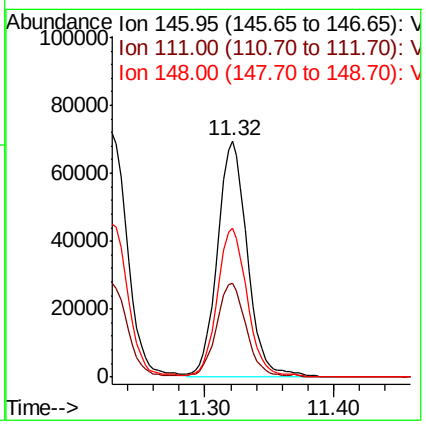


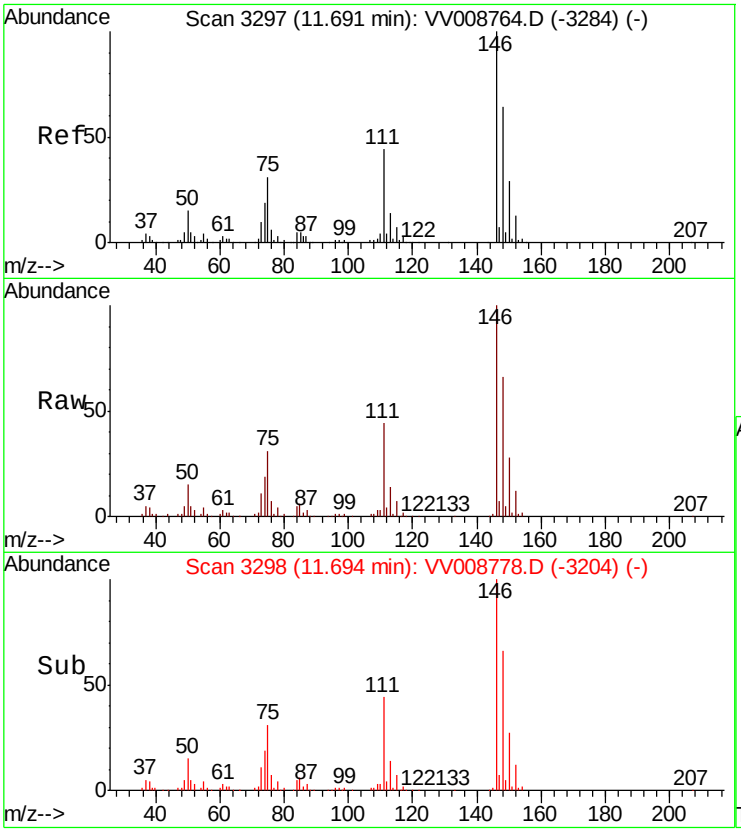




#63
1,4-Dichlorobenzene
Concen: 4.918 ug/L
RT: 11.32 min Scan# 3182
Delta R.T. -0.00 min
Lab File: VV008778.D
Acq: 29 Nov 2018 21:18

Tgt Ion:146 Resp: 112046

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.8 | 27.6 | 51.4 |
| 148 | 62.9 | 46.5 | 86.3 |



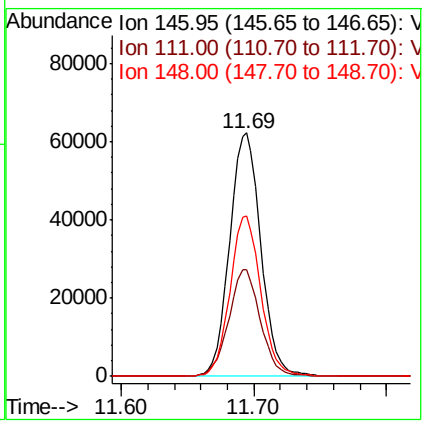


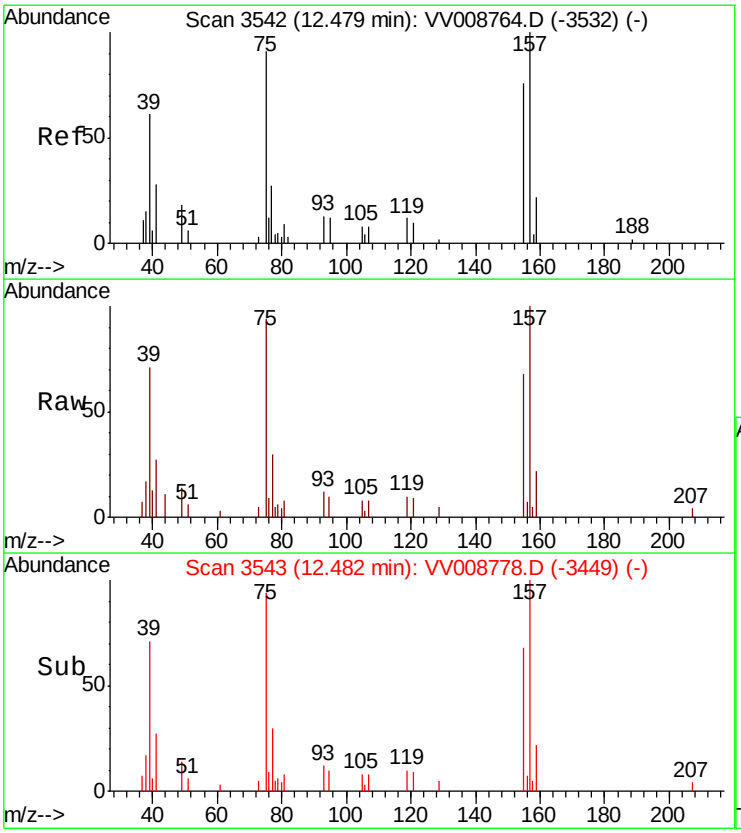

#65
1,2-Dichlorobenzene
Concen: 4.680 ug/L
RT: 11.69 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VV008778.D
Acq: 29 Nov 2018 21:18

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00570

Tgt Ion:146 Resp: 101676

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.8 | 34.8 | 52.2 |
| 148 | 65.7 | 51.1 | 76.7 |

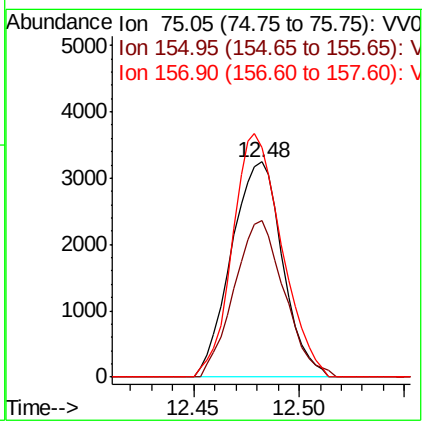


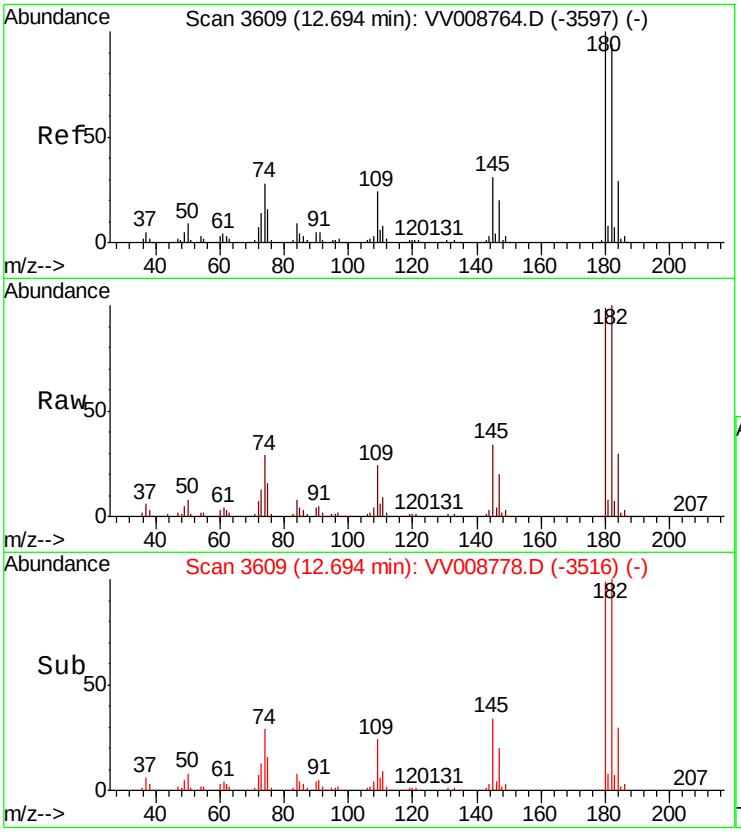




#66
1,2-Dibromo-3-chloropropane
Concen: 5.122 ug/L
RT: 12.48 min Scan# 3543
Delta R.T. 0.00 min
Lab File: VV008778.D
Acq: 29 Nov 2018 21:18

Tgt Ion: 75 Resp: 5481

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 72.9 | 66.7 | 100.1 |
| 157 | 106.8 | 88.0 | 132.0 |



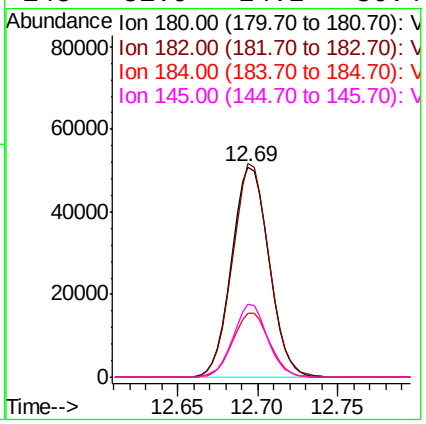


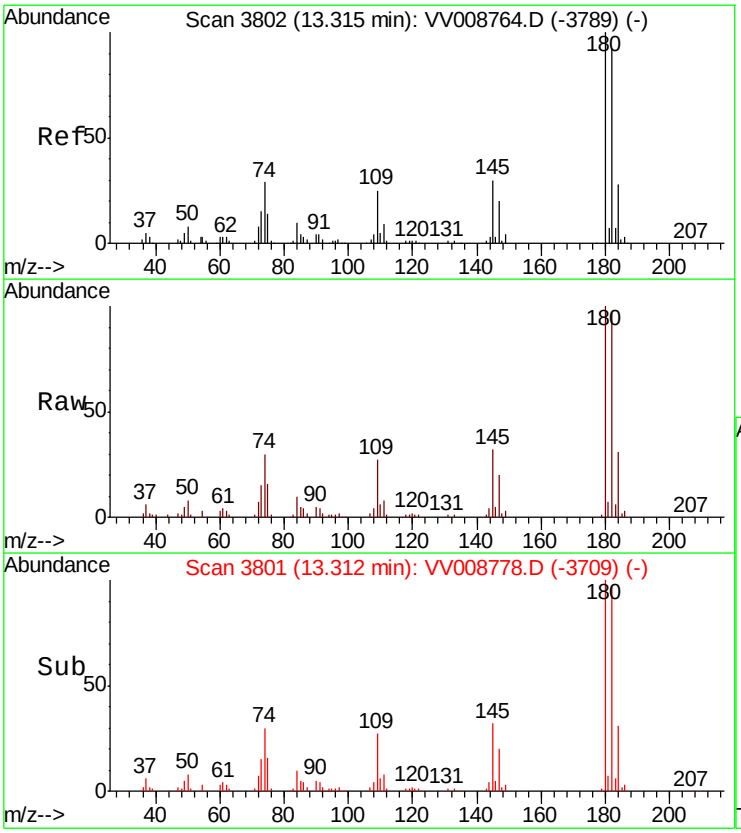

#67
1,3,5-Trichlorobenzene
Concen: 4.791 ug/L
RT: 12.69 min Scan# 3609
Delta R.T. -0.00 min
Lab File: VV008778.D
Acq: 29 Nov 2018 21:18

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00570

Tgt Ion:180 Resp: 80975

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 98.8 | 74.7 | 112.1 |
| 184 | 29.9 | 23.3 | 34.9 |
| 145 | 31.9 | 24.2 | 36.4 |

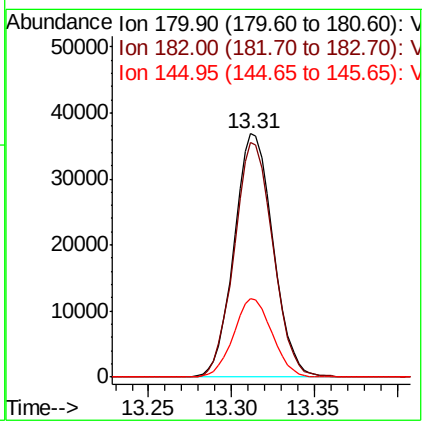


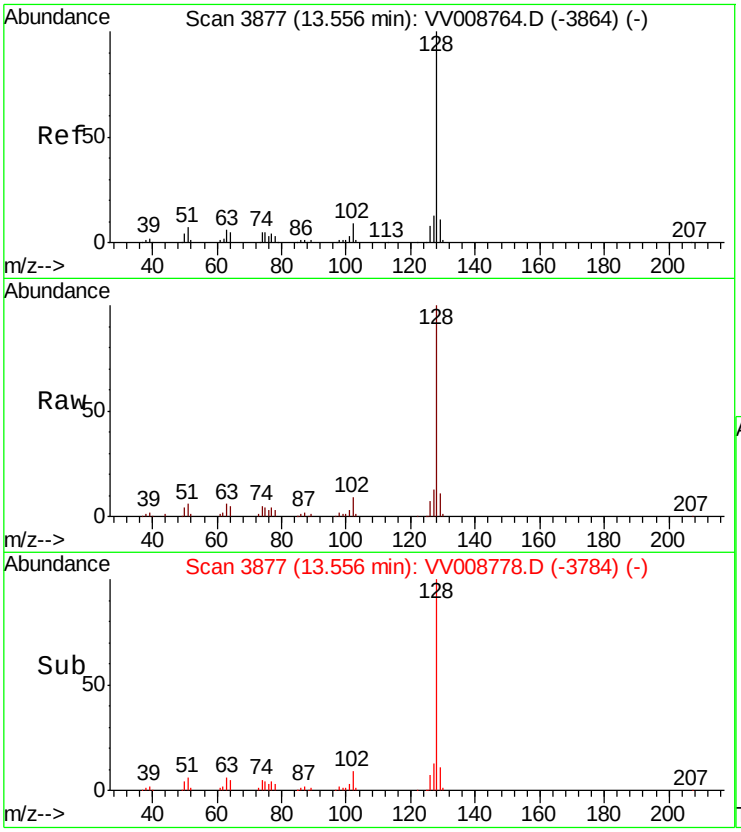




#68
1,2,4-trichlorobenzene
Concen: 4.834 ug/L
RT: 13.31 min Scan# 3801
Delta R.T. -0.00 min
Lab File: VV008778.D
Acq: 29 Nov 2018 21:18

Tgt Ion:180 Resp: 60279

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.0 | 74.2 | 111.4 |
| 145 | 31.8 | 24.1 | 36.1 |



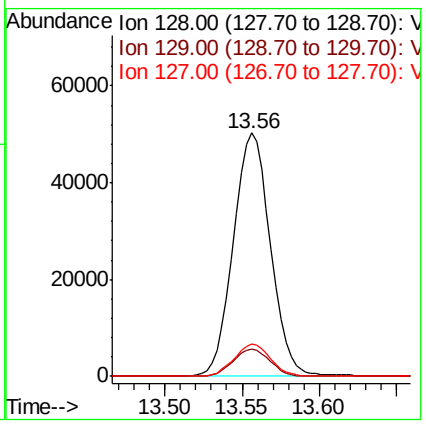


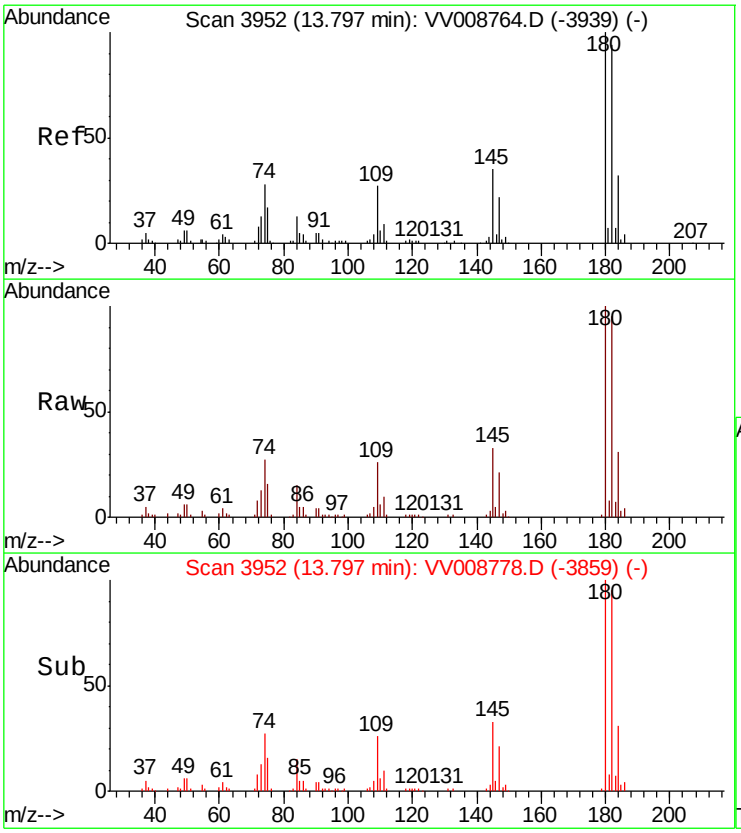

#69
Naphthalene
Concen: 4.597 ug/L
RT: 13.56 min Scan# 3877
Delta R.T. -0.00 min
Lab File: VV008778.D
Acq: 29 Nov 2018 21:18

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD00570

Tgt Ion:128 Resp: 83822

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.2 | 8.6 | 12.8 |
| 127 | 13.0 | 10.1 | 15.1 |




#70
1,2,3-Trichlorobenzene
Concen: 4.859 ug/L
RT: 13.80 min Scan# 3952
Delta R.T. -0.00 min
Lab File: VV008778.D
Acq: 29 Nov 2018 21:18

Tgt Ion:180 Resp: 56528

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.2 | 76.2 | 114.4 |
| 145 | 33.1 | 27.6 | 41.4 |