Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV091918\

Quantitation Report (Not Reviewed)

Data File : VV007640.D
Acq On : 19 Sep 2018 21:55
Operator : SY/MD
Sample : VSTD01070
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD01070

Quant Time: Sep 20 05:18:16 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091918WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Sep 20 05:17:18 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.67 | 114 | 113889 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.90 | 117 | 104935 | 5.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152 | 58685 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.32 | 65 | 48958 | 9.28 | ug/L | 0.00 |
| 7) Chloroethane-d5 | 1.58 | 69 | 47096 | 9.78 | ug/L | 0.00 |
| 11) 1,1-Dichloroethene-d2 | 2.13 | 63 | 127308 | 9.75 | ug/L | 0.00 |
| 20) 2-Butanone-d5 | 3.97 | 46 | 128020 | 153.76 | ug/L | 0.00 |
| 24) Chloroform-d | 4.41 | 84 | 119121 | 10.37 | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4 | 5.09 | 65 | 59401 | 10.58 | ug/L | 0.00 |
| 32) Benzene-d6 | 5.10 | 84 | 223405 | 10.25 | ug/L | 0.00 |
| 36) 1,2-Dichloropropane-d6 | 6.12 | 67 | 65370 | 10.32 | ug/L | 0.00 |
| 41) Toluene-d8 | 7.36 | 98 | 230895 | 10.15 | ug/L | 0.00 |
| 43) trans-1,3-Dichloropropene- | 7.67 | 79 | 27759 | 10.03 | ug/L | 0.00 |
| 46) 2-Hexanone-d5 | 8.14 | 63 | 103977 | 173.18 | ug/L | 0.00 |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27 | 84 | 54913 | 12.07 | ug/L | 0.00 |
| 64) 1,2-Dichlorobenzene-d4 | 11.68 | 152 | 102689 | 10.07 | ug/L | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.14 | 85 | 89610 | 9.515 | ug/L | 99 |
| 3) Chloromethane | 1.25 | 50 | 67399 | 9.731 | ug/L | 100 |
| 5) Vinyl chloride | 1.32 | 62 | 78771 | 9.896 | ug/L | 99 |
| 6) Bromomethane | 1.54 | 94 | 55782 | 9.570 | ug/L | 98 |
| 8) Chloroethane | 1.60 | 64 | 50886 | 10.448 | ug/L | 100 |
| 9) Trichlorofluoromethane | 1.77 | 101 | 169145 | 10.503 | ug/L | 100 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.14 | 101 | 89978 | 10.120 | ug/L | 98 |
| 12) 1,1-Dichloroethene | 2.14 | 96 | 78712 | 9.755 | ug/L | 95 |
| 13) Acetone | 2.22 | 43 | 99096 | 136.010 | ug/L | 99 |
| 14) Carbon disulfide | 2.32 | 76 | 217210 | 9.364 | ug/L | 99 |
| 15) Methyl Acetate | 2.47 | 43 | 25547 | 12.664 | ug/L | 98 |
| 16) Methylene chloride | 2.54 | 84 | 77905 | 9.159 | ug/L | 99 |
| 17) Methyl tert-butyl Ether | 2.81 | 73 | 187098 | 10.489 | ug/L | 100 |
| 18) trans-1,2-Dichloroethene | 2.79 | 96 | 85877 | 9.854 | ug/L | 98 |
| 19) 1,1-Dichloroethane | 3.23 | 63 | 111603 | 9.740 | ug/L | 99 |
| 21) 2-Butanone | 4.05 | 43 | 138271 | 129.490 | ug/L | 99 |
| 22) cis-1,2-Dichloroethene | 3.96 | 96 | 78135 | 10.016 | ug/L | 98 |
| 23) Bromochloromethane | 4.31 | 128 | 36029 | 10.158 | ug/L | 98 |
| 25) Chloroform | 4.43 | 83 | 130203 | 9.841 | ug/L | 100 |
| 27) 1,2-Dichloroethane | 5.19 | 62 | 77976 | 10.198 | ug/L | 99 |
| 29) 1,1,1-Trichloroethane | 4.66 | 97 | 124608 | 10.136 | ug/L | 99 |
| 30) Cyclohexane | 4.72 | 56 | 103674 | 9.731 | ug/L | 100 |
| 31) Carbon tetrachloride | 4.87 | 117 | 114775 | 10.022 | ug/L | 97 |
| 33) Benzene | 5.15 | 78 | 273643 | 10.136 | ug/L | 100 |
| 34) Trichloroethene | 5.96 | 95 | 79650 | 9.007 | ug/L | 98 |
| 35) Methylcyclohexane | 6.18 | 83 | 124368 | 9.656 | ug/L | 100 |
| 37) 1,2-Dichloropropane | 6.23 | 63 | 65558 | 10.556 | ug/L | 100 |
| 38) Bromodichloromethane | 6.56 | 83 | 90031 | 10.182 | ug/L | 100 |
| 39) cis-1,3-Dichloropropene | 7.08 | 75 | 101375 | 10.080 | ug/L | 98 |
| 40) 4-Methyl-2-pentanone | 7.28 | 43 | 355517 | 98.453 | ug/L | 99 |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV091918\

Quantitation Report (Not Reviewed)

Data File : VV007640.D
Acq On : 19 Sep 2018 21:55
Operator : SY/MD
Sample : VSTD01070
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD01070

Quant Time: Sep 20 05:18:16 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091918WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Sep 20 05:17:18 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 42) Toluene | 7.43 | 91 | 316519 | 10.087 | ug/L | 99 |
| 44) trans-1,3-Dichloropropene | 7.70 | 75 | 81963 | 10.161 | ug/L | 95 |
| 45) 1,1,2-Trichloroethane | 7.89 | 97 | 49877 | 9.927 | ug/L | 97 |
| 47) Tetrachloroethene | 8.02 | 164 | 78052 | 9.645 | ug/L | 97 |
| 48) 2-Hexanone | 8.19 | 43 | 258209 | 94.285 | ug/L | 99 |
| 49) Dibromochloromethane | 8.30 | 129 | 67972 | 10.343 | ug/L | 97 |
| 50) 1,2-Dibromoethane | 8.40 | 107 | 49588 | 9.970 | ug/L | 99 |
| 51) Chlorobenzene | 8.93 | 112 | 217387 | 9.983 | ug/L | 99 |
| 52) Ethylbenzene | 9.06 | 91 | 356968 | 10.028 | ug/L | 97 |
| 53) m,p-xylene | 9.19 | 106 | 141684 | 9.875 | ug/L | 96 |
| 54) o-xylene | 9.59 | 106 | 139739 | 10.330 | ug/L | 100 |
| 55) Styrene | 9.61 | 104 | 232739 | 10.363 | ug/L | 99 |
| 56) Isopropylbenzene | 9.98 | 105 | 378919 | 10.161 | ug/L | 99 |
| 58) 1,1,2,2-Tetrachloroethane | 10.29 | 83 | 58410 | 12.252 | ug/L | 99 |
| 59) 1,2,3-Trichloropropane | 10.32 | 75 | 41339 | 10.087 | ug/L | 98 |
| 61) Bromoform | 9.78 | 173 | 38699 | 9.935 | ug/L | 98 |
| 62) 1,3-Dichlorobenzene | 11.23 | 146 | 191937 | 9.826 | ug/L | 98 |
| 63) 1,4-Dichlorobenzene | 11.32 | 146 | 192834 | 9.969 | ug/L | 98 |
| 65) 1,2-Dichlorobenzene | 11.69 | 146 | 179608 | 9.964 | ug/L | 100 |
| 66) 1,2-Dibromo-3-chloropropan | 12.48 | 75 | 8977 | 11.584 | ug/L | 95 |
| 67) 1,3,5-Trichlorobenzene | 12.70 | 180 | 165774 | 10.596 | ug/L | 99 |
| 68) 1,2,4-trichlorobenzene | 13.31 | 180 | 137340 | 12.185 | ug/L | 99 |
| 69) Naphthalene | 13.56 | 128 | 204676 | 14.575 | ug/L | 100 |
| 70) 1,2,3-Trichlorobenzene | 13.80 | 180 | 125147 | 12.124 | ug/L | 97 |

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

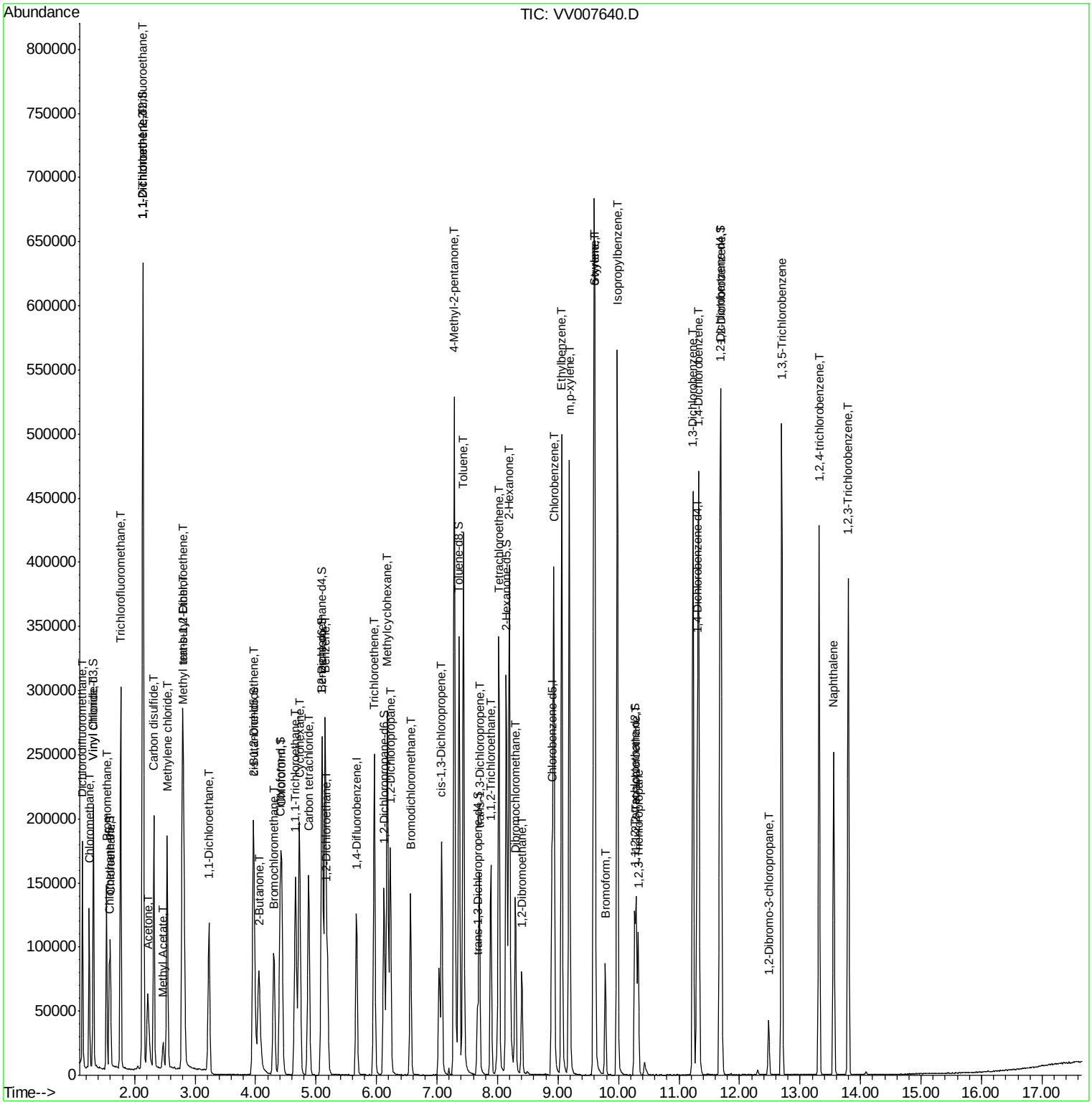
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV091918\

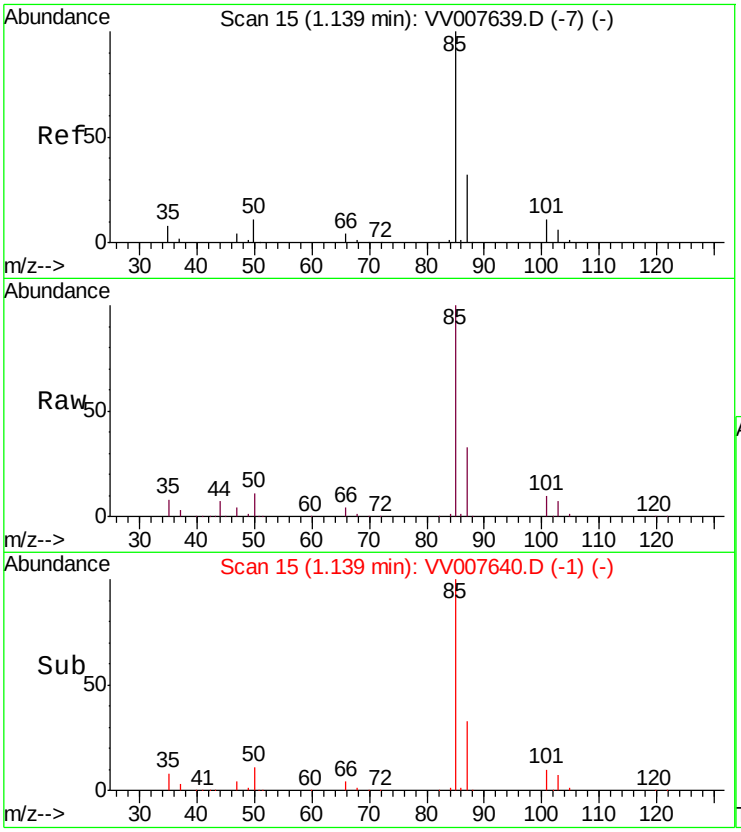
Quantitation Report (Not Reviewed)

Data File : VV007640.D
Acq On : 19 Sep 2018 21:55
Operator : SY/MD
Sample : VSTD01070
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD01070

Quant Time: Sep 20 05:18:16 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091918WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Sep 20 05:17:18 2018
Response via : Initial Calibration



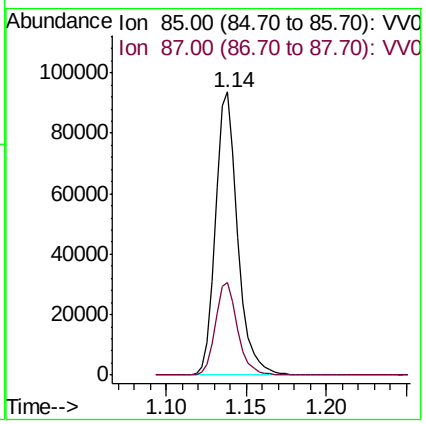


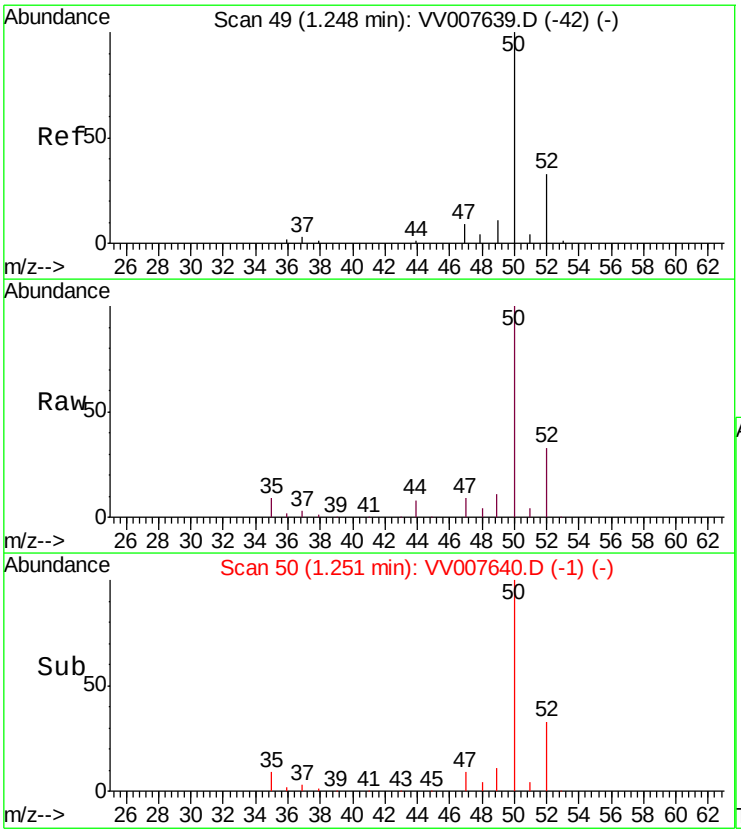

#2
Dichlorodifluoromethane
Concen: 9.515 ug/L
RT: 1.14 min Scan# 15
Delta R.T. -0.00 min
Lab File: VV007640.D
Acq: 19 Sep 2018 21:55

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD01070

Tgt Ion: 85 Resp: 89610

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.6 | 25.6 | 38.4 |

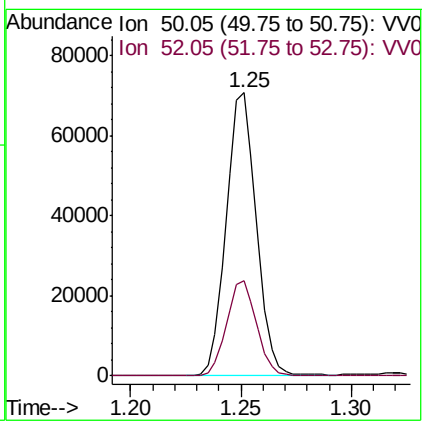


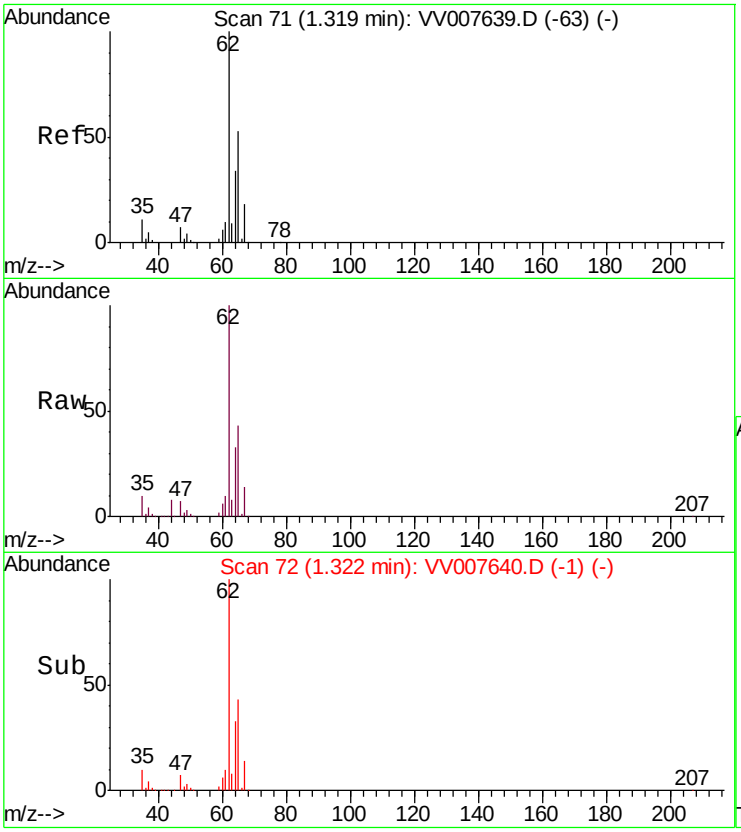




#3
Chloromethane
Concen: 9.731 ug/L
RT: 1.25 min Scan# 50
Delta R.T. 0.00 min
Lab File: VV007640.D
Acq: 19 Sep 2018 21:55

Tgt Ion: 50 Resp: 67399

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 33.4 | 23.2 | 43.2 |



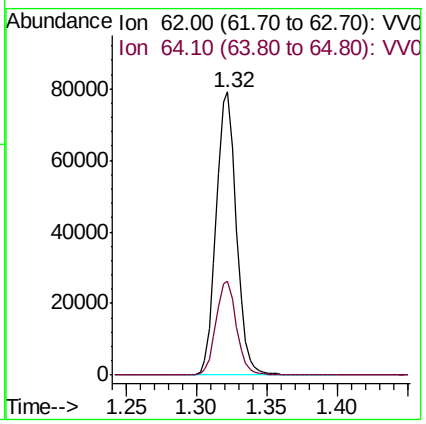


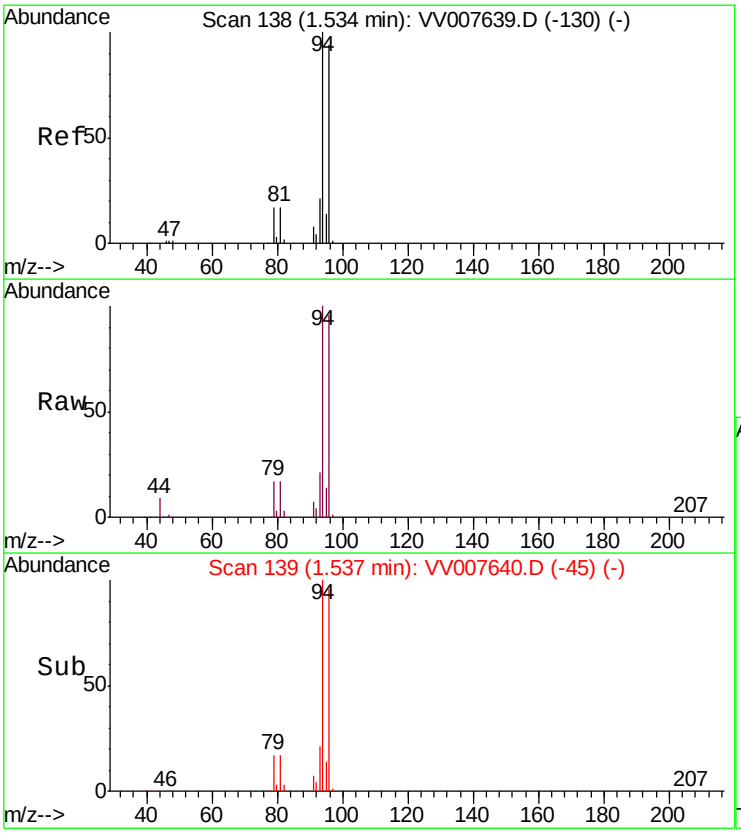

#5
Vinyl chloride
Concen: 9.896 ug/L
RT: 1.32 min Scan# 72
Delta R.T. 0.00 min
Lab File: VV007640.D
Acq: 19 Sep 2018 21:55

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD01070

Tgt Ion: 62 Resp: 78771

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 33.3 | 23.5 | 43.7 |

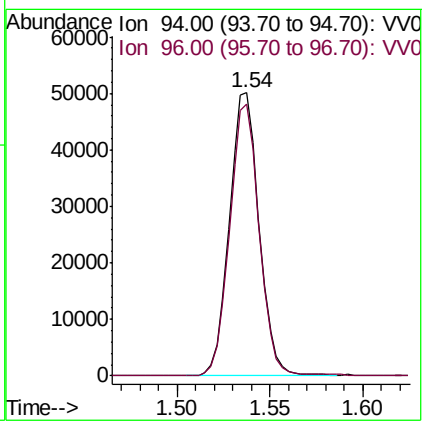


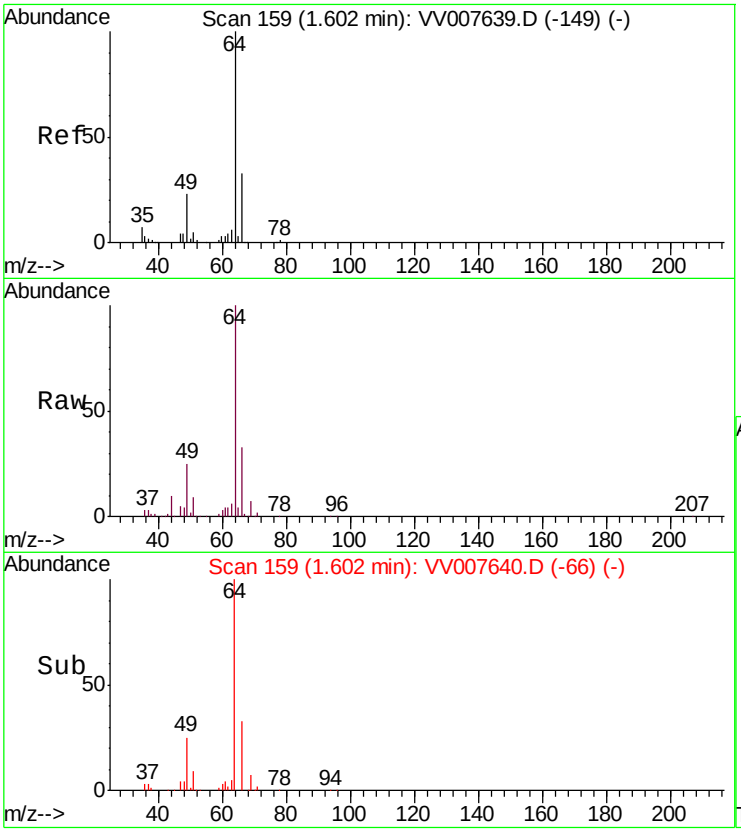




#6
Bromomethane
Concen: 9.570 ug/L
RT: 1.54 min Scan# 139
Delta R.T. 0.00 min
Lab File: VV007640.D
Acq: 19 Sep 2018 21:55

Tgt Ion: 94 Resp: 55782

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 96.0 | 65.6 | 121.8 |



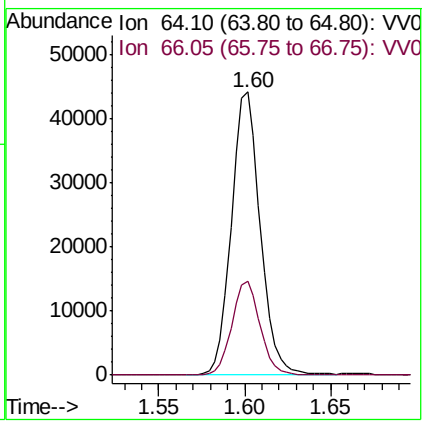


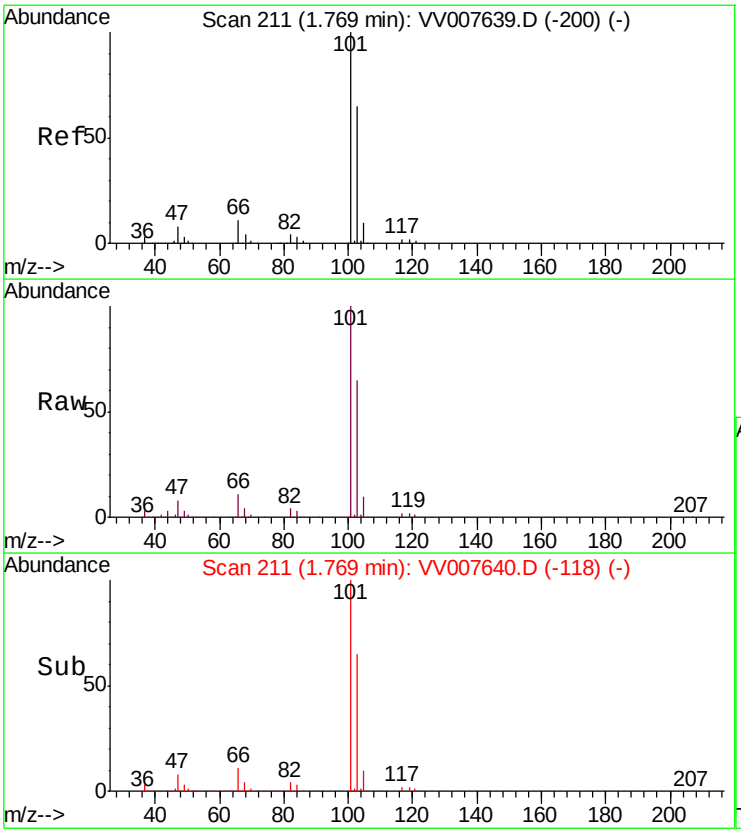

#8
Chloroethane
Concen: 10.448 ug/L
RT: 1.60 min Scan# 159
Delta R.T. -0.00 min
Lab File: VV007640.D
Acq: 19 Sep 2018 21:55

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD01070

Tgt Ion: 64 Resp: 50886

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 33.2 | 23.4 | 43.4 |

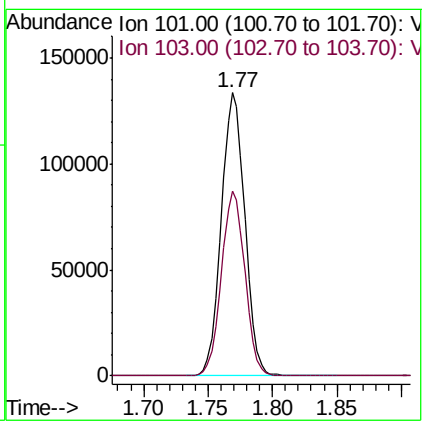


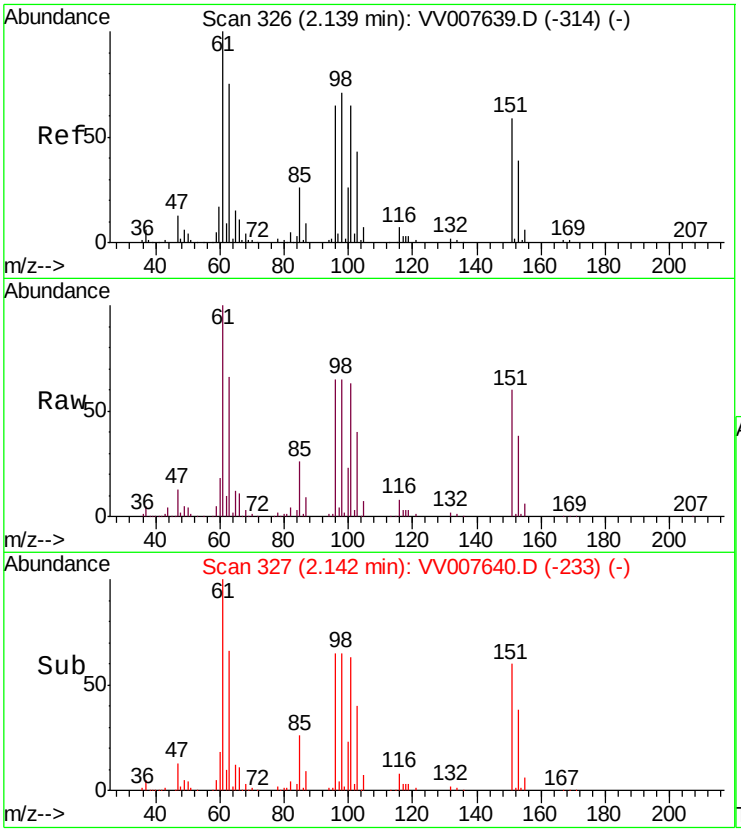




#9
Trichlorofluoromethane
Concen: 10.503 ug/L
RT: 1.77 min Scan# 211
Delta R.T. -0.00 min
Lab File: VV007640.D
Acq: 19 Sep 2018 21:55

Tgt Ion:101 Resp: 169145

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.3 | 51.9 | 77.9 |



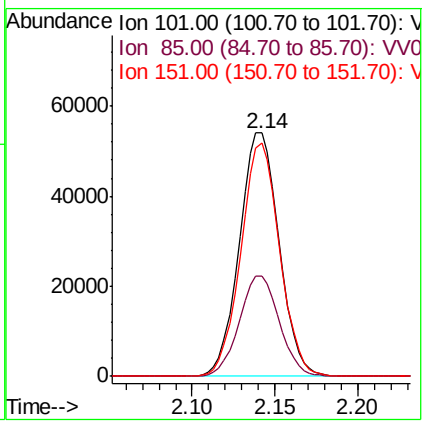


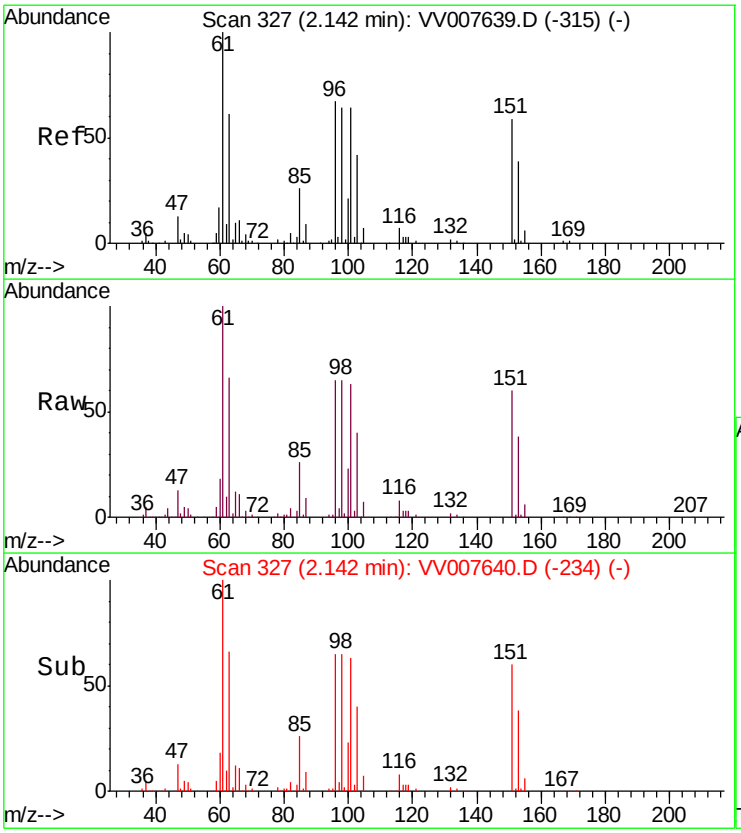

#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 10.120 ug/L
RT: 2.14 min Scan# 327
Delta R.T. 0.00 min
Lab File: VV007640.D
Acq: 19 Sep 2018 21:55

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD01070

Tgt Ion:101 Resp: 89978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 41.6 | 32.6 | 48.8 |
| 151 | 93.3 | 72.8 | 109.2 |

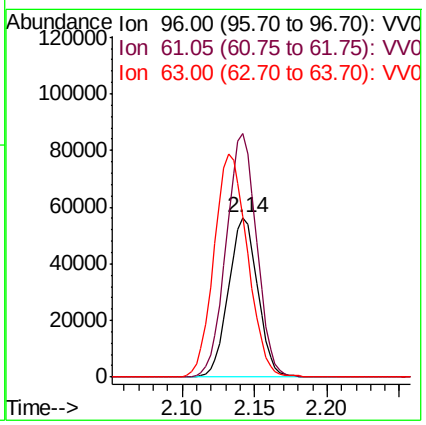


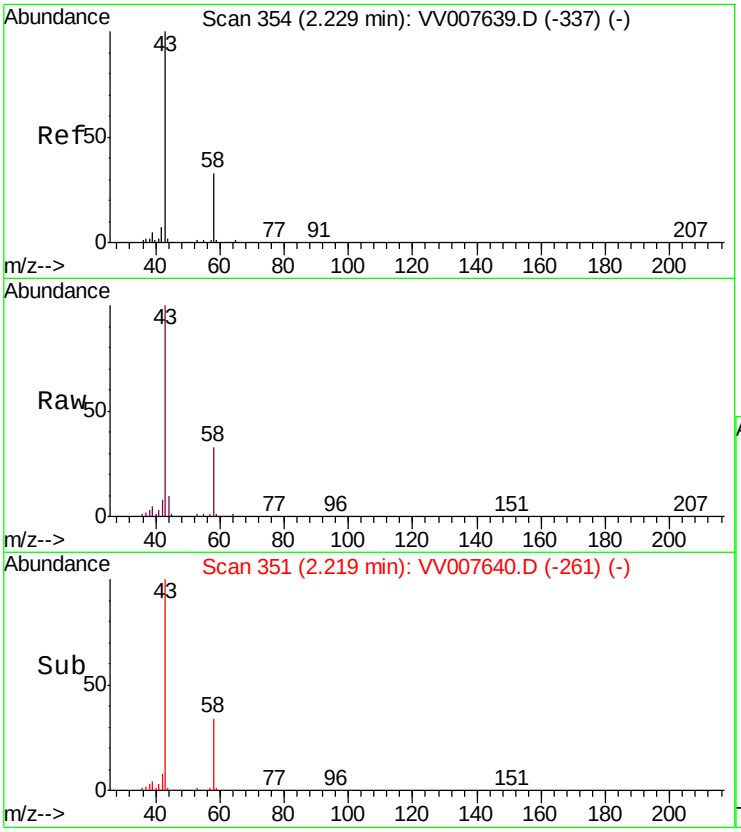




#12
1,1-Dichloroethene
Concen: 9.755 ug/L
RT: 2.14 min Scan# 327
Delta R.T. -0.00 min
Lab File: VV007640.D
Acq: 19 Sep 2018 21:55

Tgt Ion: 96 Resp: 78712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 152.9 | 104.3 | 193.7 |
| 63 | 100.9 | 65.2 | 121.2 |



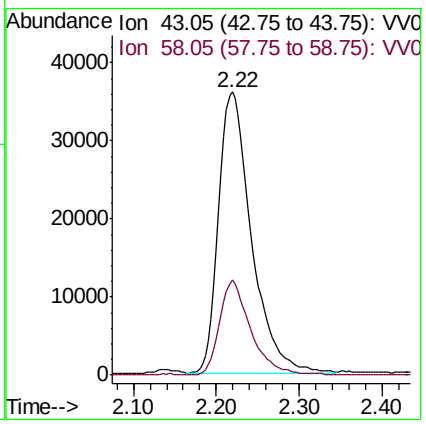


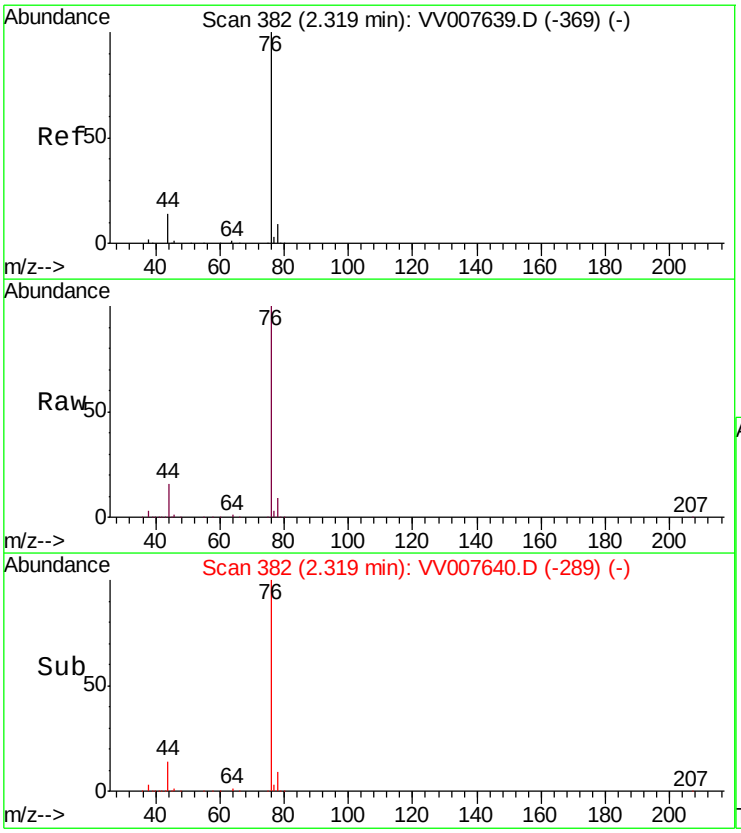

#13
Acetone
Concen: 136.010 ug/L
RT: 2.22 min Scan# 351
Delta R.T. -0.01 min
Lab File: VV007640.D
Acq: 19 Sep 2018 21:55

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD01070

Tgt Ion: 43 Resp: 99096

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 32.1 | 0.0 | 63.6 |

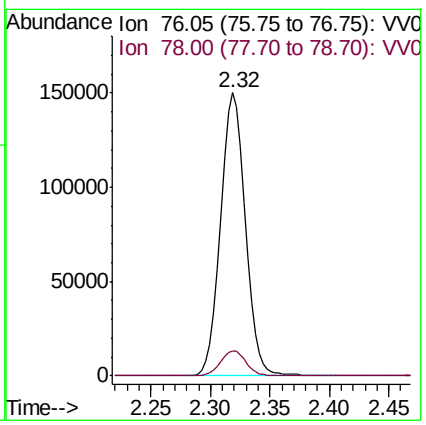


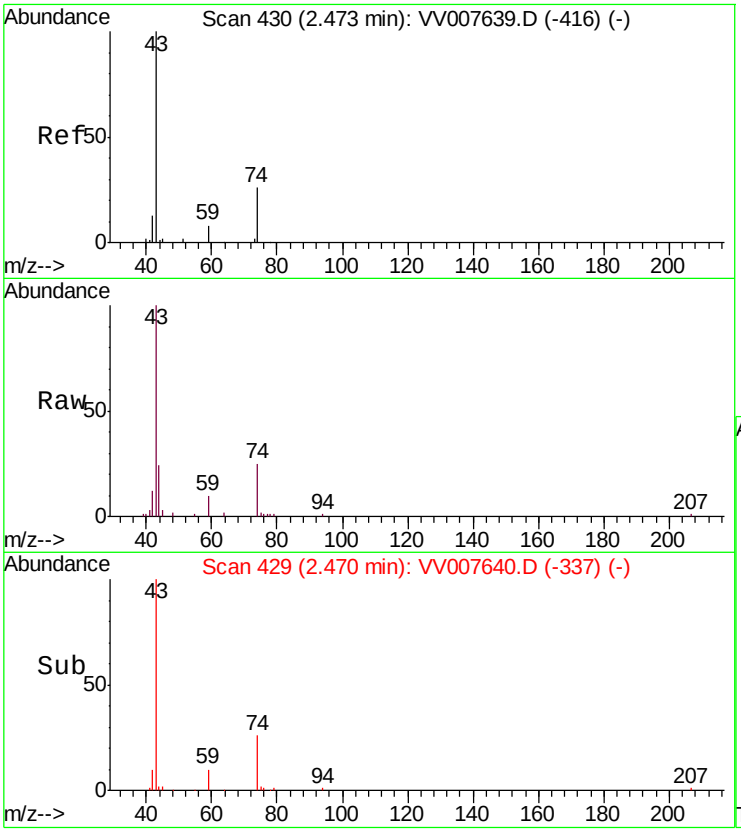




#14
Carbon disulfide
Concen: 9.364 ug/L
RT: 2.32 min Scan# 382
Delta R.T. -0.00 min
Lab File: VV007640.D
Acq: 19 Sep 2018 21:55

Tgt Ion: 76 Resp: 217210

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.8 | 7.4 | 11.2 |



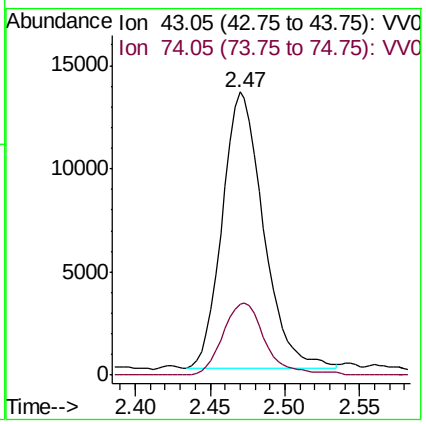


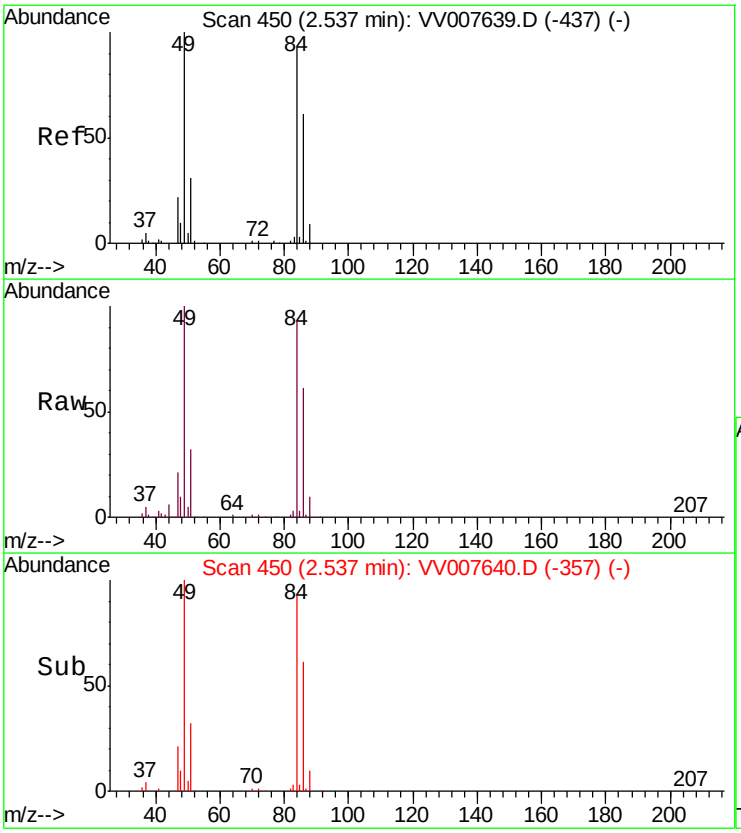

#15
Methyl Acetate
Concen: 12.664 ug/L
RT: 2.47 min Scan# 429
Delta R.T. -0.00 min
Lab File: VV007640.D
Acq: 19 Sep 2018 21:55

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD01070

Tgt Ion: 43 Resp: 25547

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 26.9 | 20.6 | 30.8 |

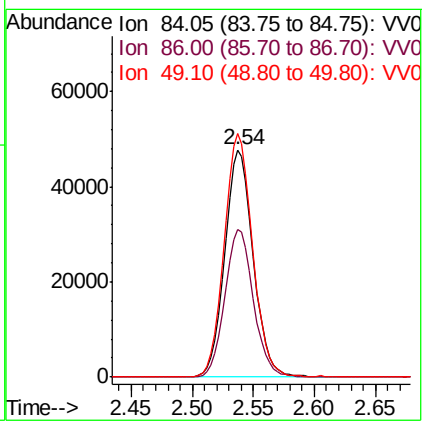


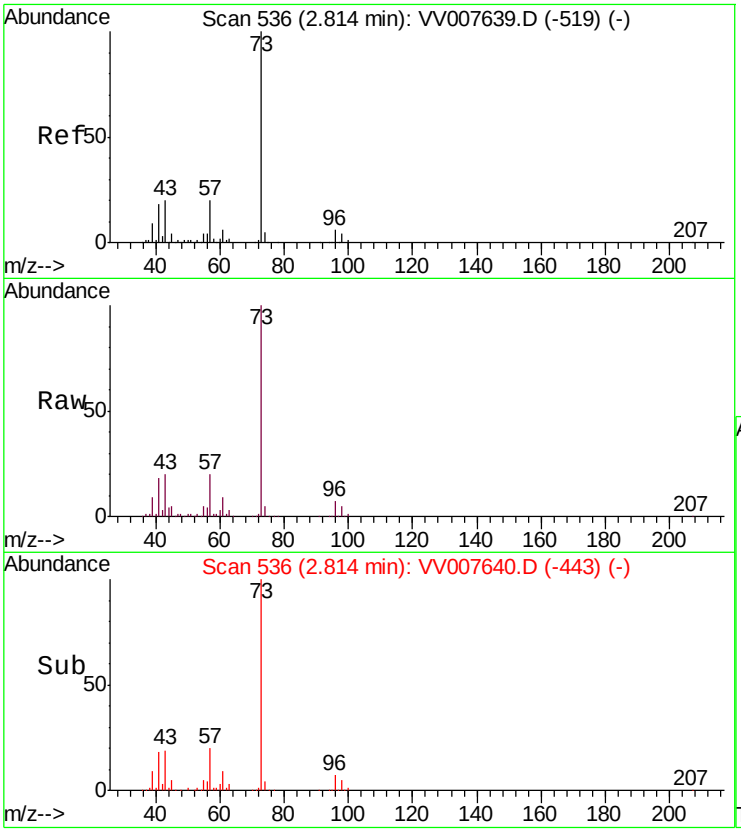




#16
Methylene chloride
Concen: 9.159 ug/L
RT: 2.54 min Scan# 450
Delta R.T. -0.00 min
Lab File: VV007640.D
Acq: 19 Sep 2018 21:55

Tgt Ion: 84 Resp: 77905

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 64.9 | 46.1 | 85.5 |
| 49 | 107.0 | 75.5 | 140.1 |



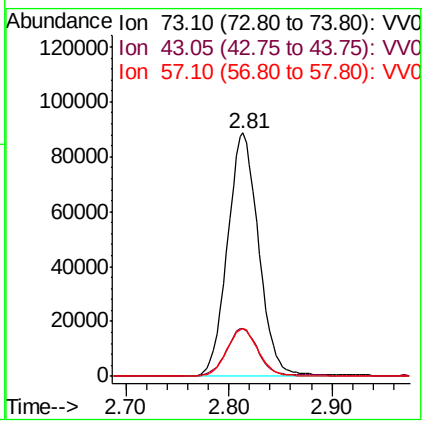


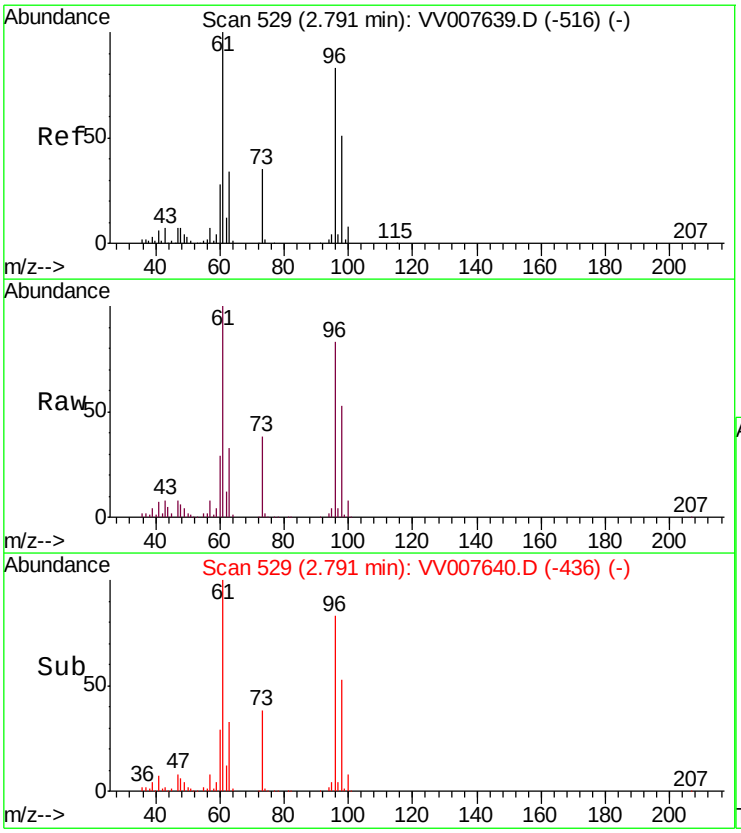

#17
Methyl tert-butyl Ether
Concen: 10.489 ug/L
RT: 2.81 min Scan# 536
Delta R.T. -0.00 min
Lab File: VV007640.D
Acq: 19 Sep 2018 21:55

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD01070

Tgt Ion: 73 Resp: 187098

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 43 | 19.3 | 15.7 | 23.5 |
| 57 | 19.9 | 15.8 | 23.8 |

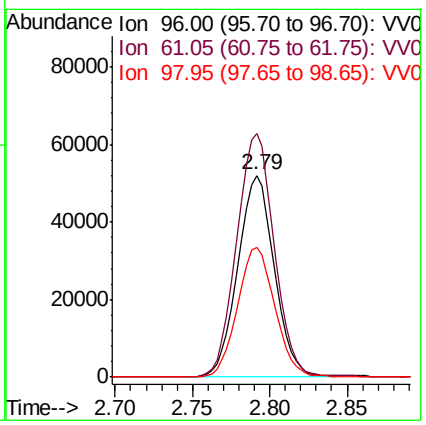


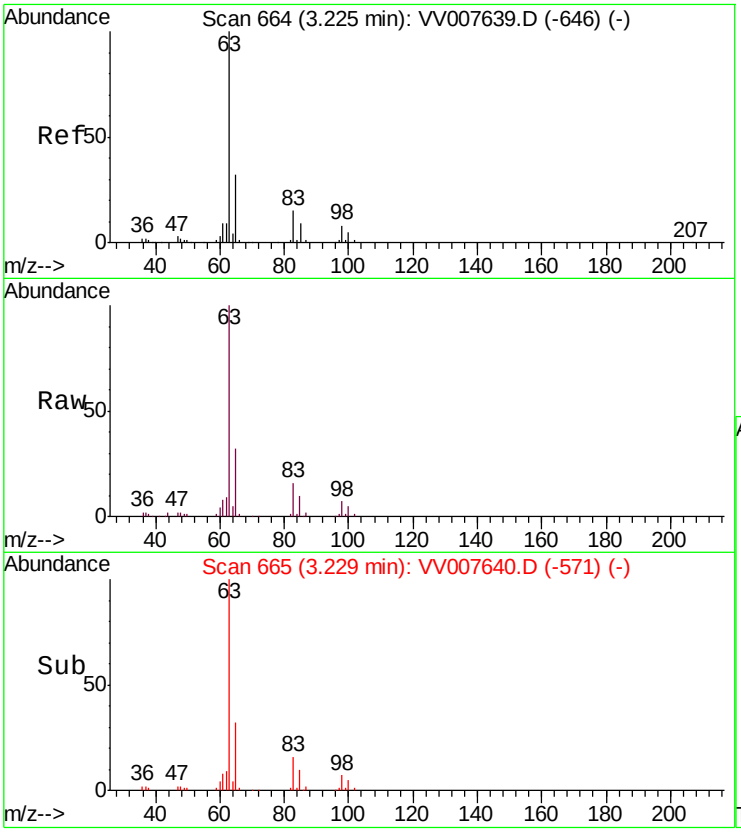




#18
trans-1,2-Dichloroethene
Concen: 9.854 ug/L
RT: 2.79 min Scan# 529
Delta R.T. -0.00 min
Lab File: VV007640.D
Acq: 19 Sep 2018 21:55

Tgt Ion: 96 Resp: 85877

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 120.8 | 84.4 | 156.7 |
| 98 | 64.6 | 43.0 | 80.0 |



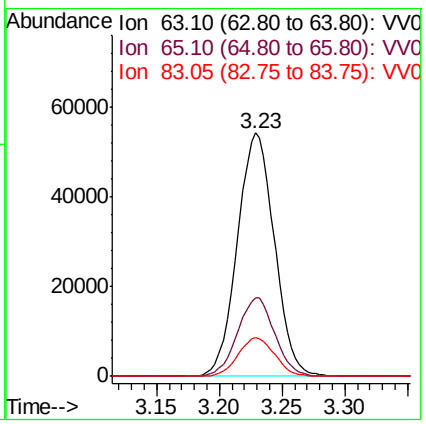


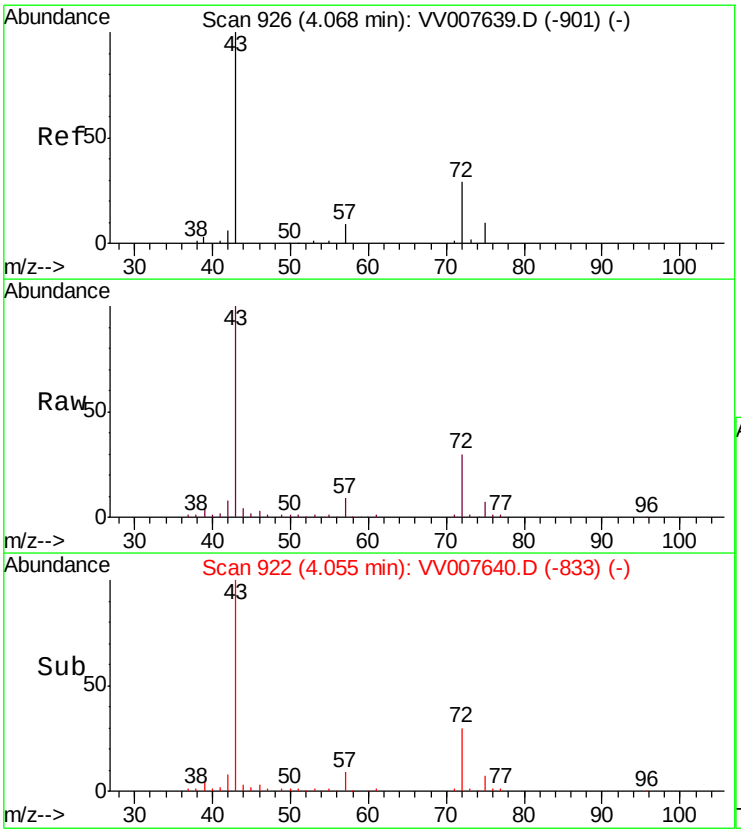

#19
1,1-Dichloroethane
Concen: 9.740 ug/L
RT: 3.23 min Scan# 665
Delta R.T. 0.00 min
Lab File: VV007640.D
Acq: 19 Sep 2018 21:55

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD01070

Tgt Ion: 63 Resp: 111603

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 32.4 | 22.6 | 42.0 |
| 83 | 15.7 | 10.4 | 19.4 |

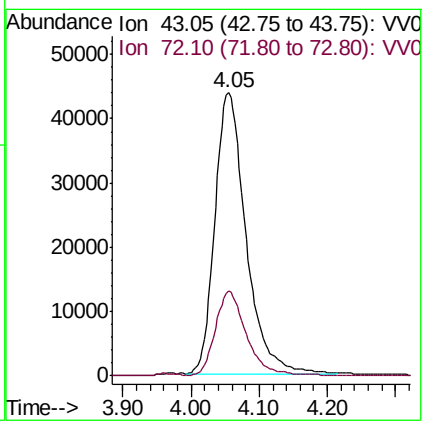


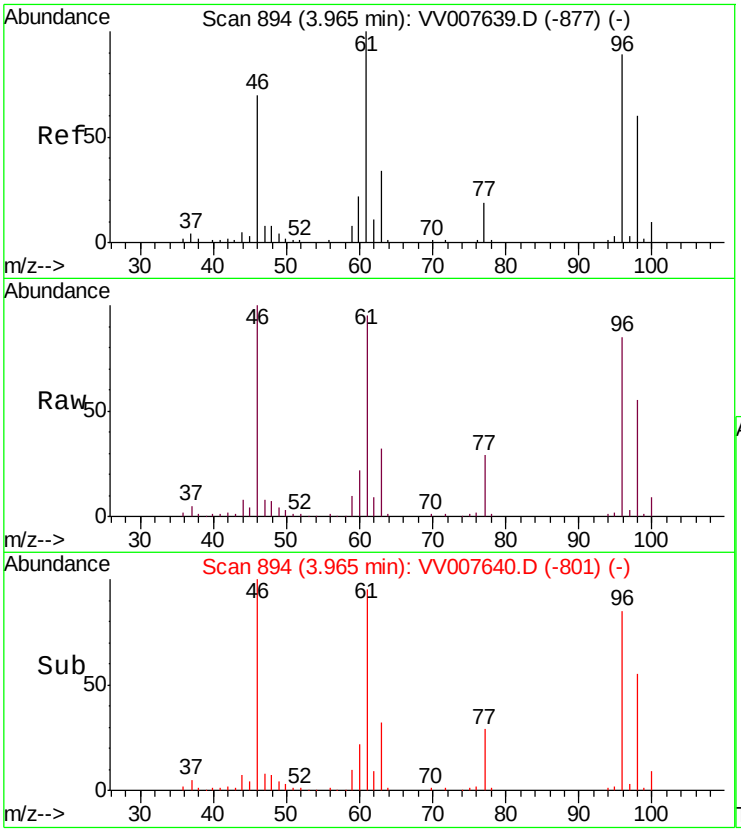




#21
2-Butanone
Concen: 129.490 ug/L
RT: 4.05 min Scan# 922
Delta R.T. -0.01 min
Lab File: VV007640.D
Acq: 19 Sep 2018 21:55

Tgt Ion: 43 Resp: 138271

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 29.9 | 14.8 | 44.4 |



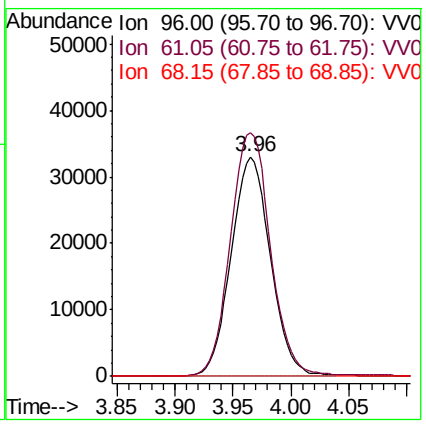


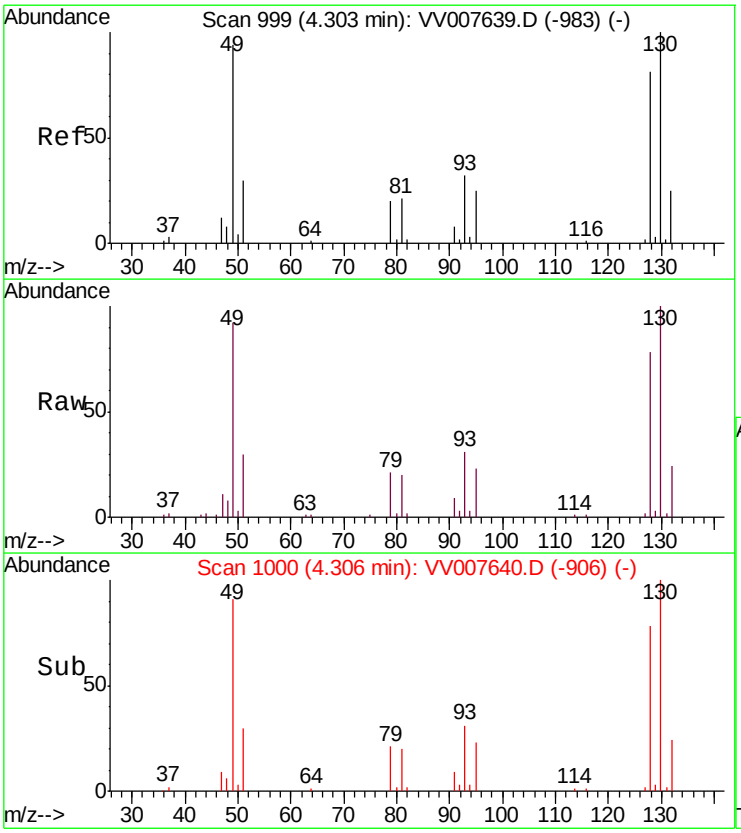

#22
cis-1,2-Dichloroethene
Concen: 10.016 ug/L
RT: 3.96 min Scan# 894
Delta R.T. -0.00 min
Lab File: VV007640.D
Acq: 19 Sep 2018 21:55

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD01070

Tgt Ion: 96 Resp: 78135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 110.9 | 79.0 | 146.8 |
| 68 | 0.0 | 0.0 | 0.0 |

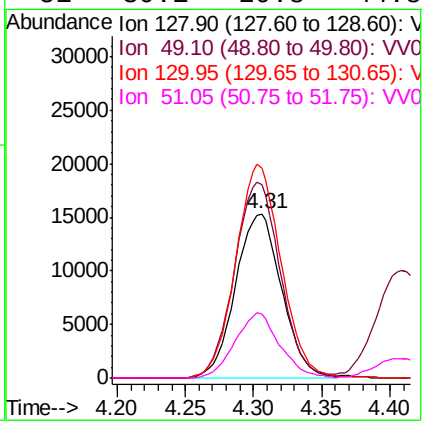


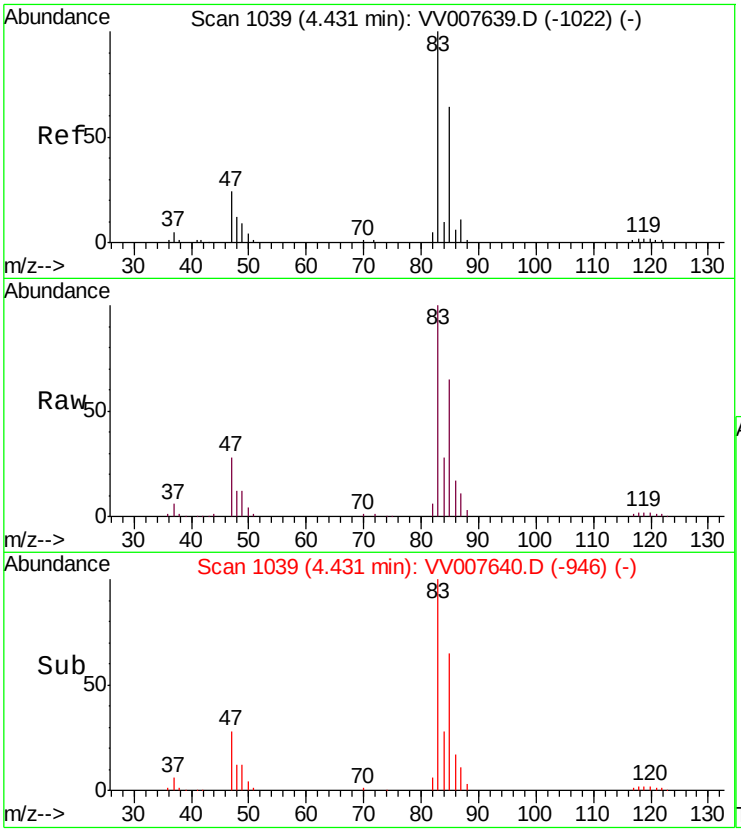




#23
Bromochloromethane
Concen: 10.158 ug/L
RT: 4.31 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VV007640.D
Acq: 19 Sep 2018 21:55

Tgt Ion:128 Resp: 36029

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 49 | 117.4 | 81.7 | 151.7 |
| 130 | 128.1 | 86.8 | 161.2 |
| 51 | 39.1 | 29.8 | 44.8 |



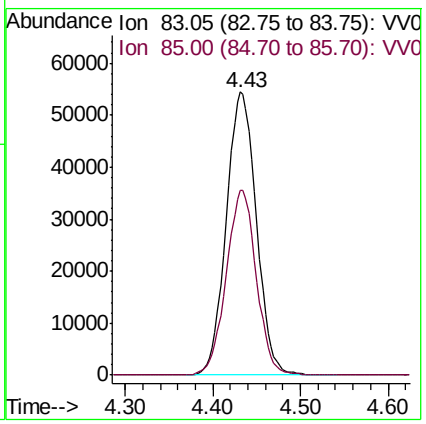


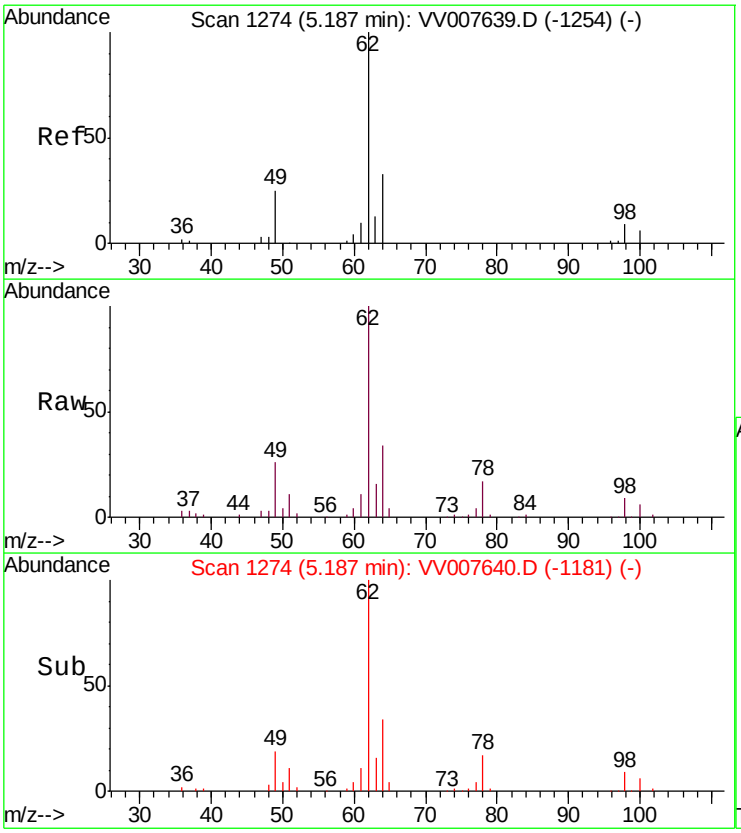

#25
Chloroform
Concen: 9.841 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. -0.00 min
Lab File: VV007640.D
Acq: 19 Sep 2018 21:55

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD01070

Tgt Ion: 83 Resp: 130203

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.1 | 45.4 | 84.4 |

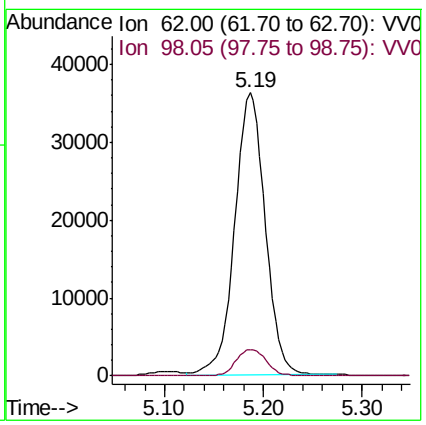


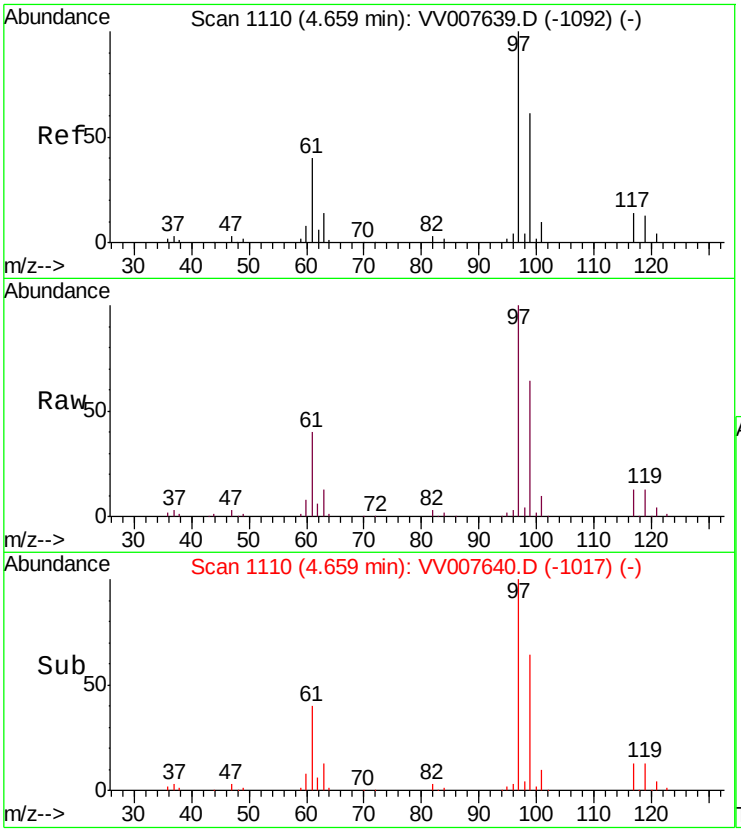




#27
1,2-Dichloroethane
Concen: 10.198 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. -0.00 min
Lab File: VV007640.D
Acq: 19 Sep 2018 21:55

Tgt Ion: 62 Resp: 77976

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.2 | 7.5 | 11.3 |



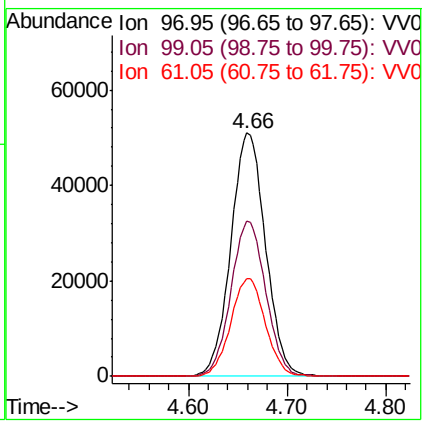


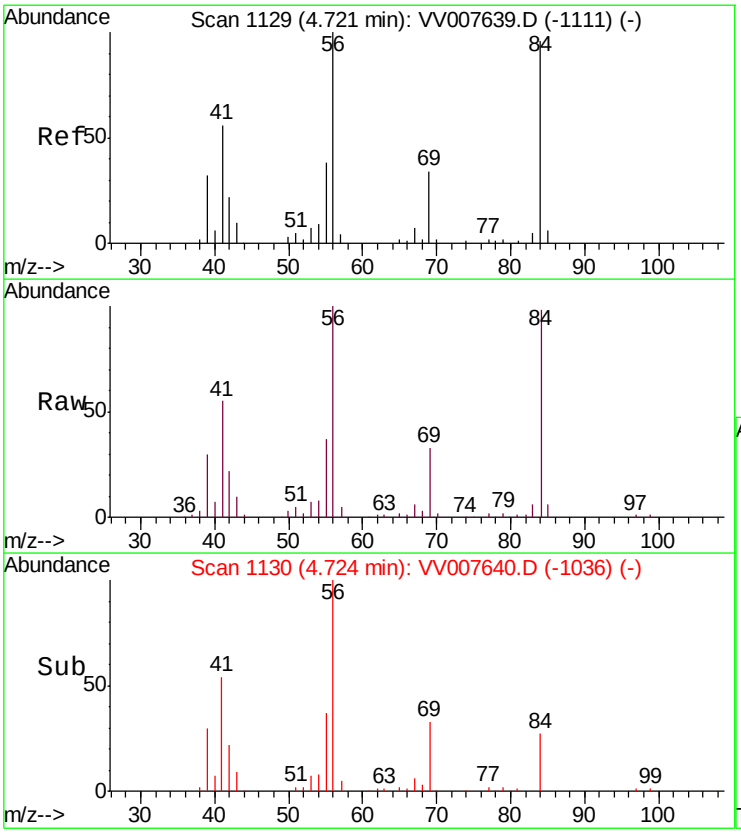

#29
1,1,1-Trichloroethane
Concen: 10.136 ug/L
RT: 4.66 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VV007640.D
Acq: 19 Sep 2018 21:55

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD01070

Tgt Ion: 97 Resp: 124608

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.0 | 50.6 | 76.0 |
| 61 | 40.3 | 32.8 | 49.2 |

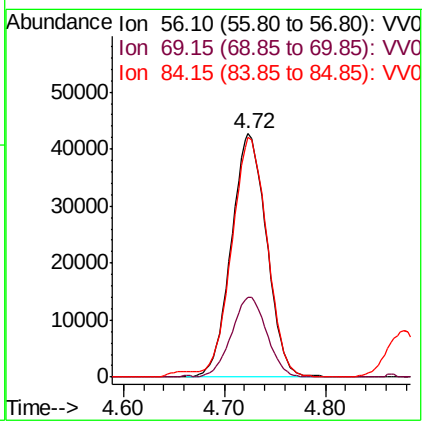


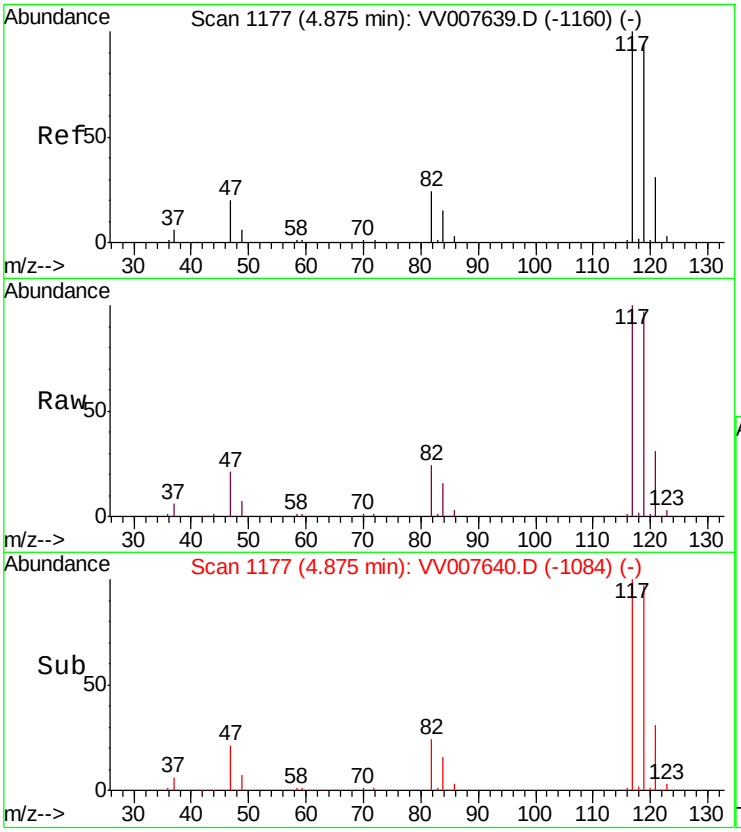




#30
Cyclohexane
Concen: 9.731 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. 0.00 min
Lab File: VV007640.D
Acq: 19 Sep 2018 21:55

Tgt Ion: 56 Resp: 103674

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 32.8 | 26.9 | 40.3 |
| 84 | 98.5 | 78.9 | 118.3 |



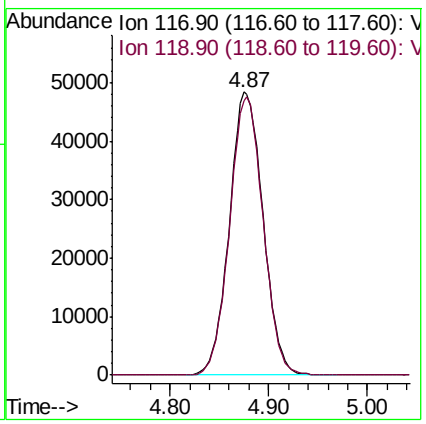


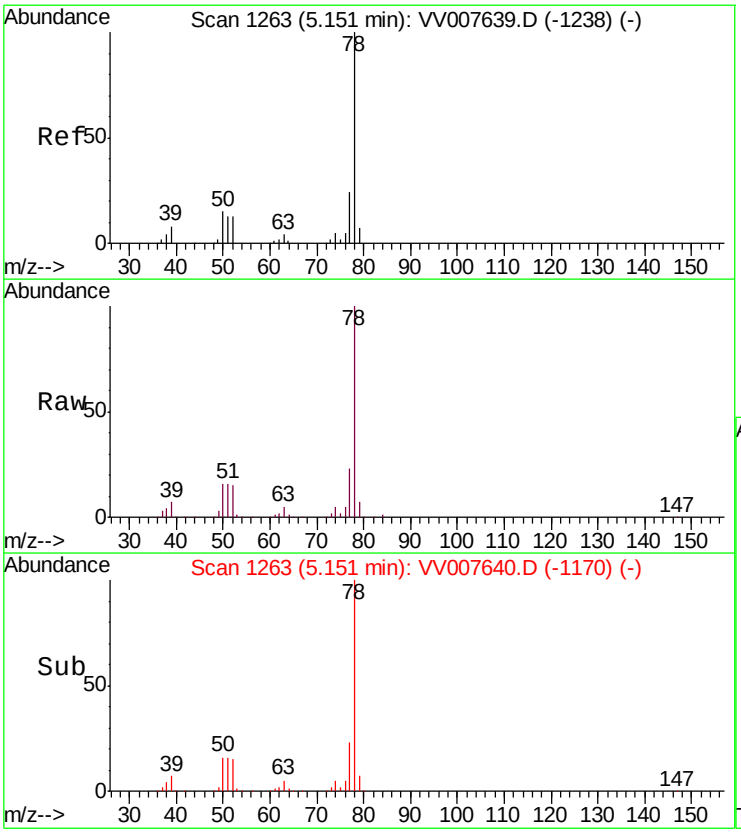

#31
Carbon tetrachloride
Concen: 10.022 ug/L
RT: 4.87 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VV007640.D
Acq: 19 Sep 2018 21:55

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD01070

Tgt Ion:117 Resp: 114775

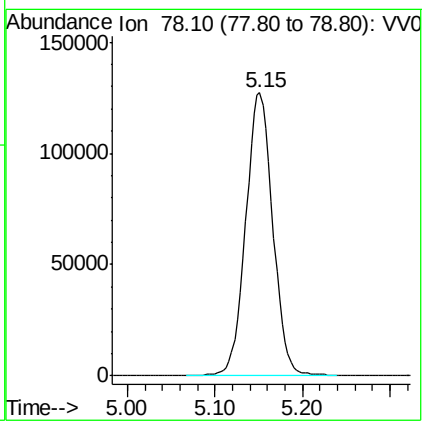
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 97.6 | 75.9 | 113.9 |

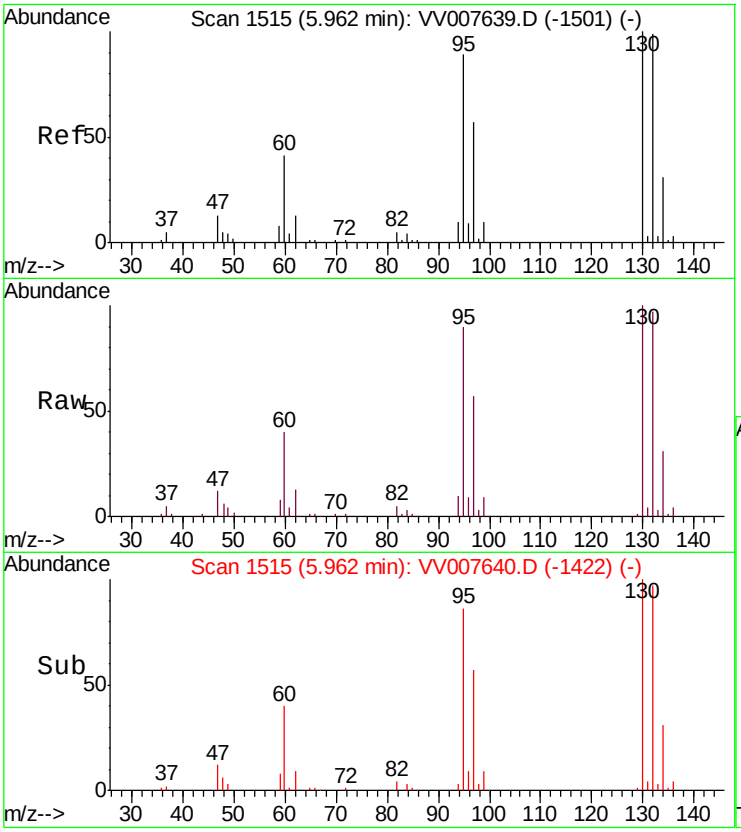



#33
Benzene
Concen: 10.136 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VV007640.D
Acq: 19 Sep 2018 21:55

Tgt Ion: 78 Resp: 273643



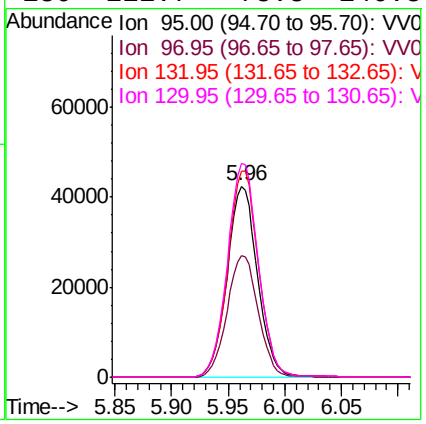


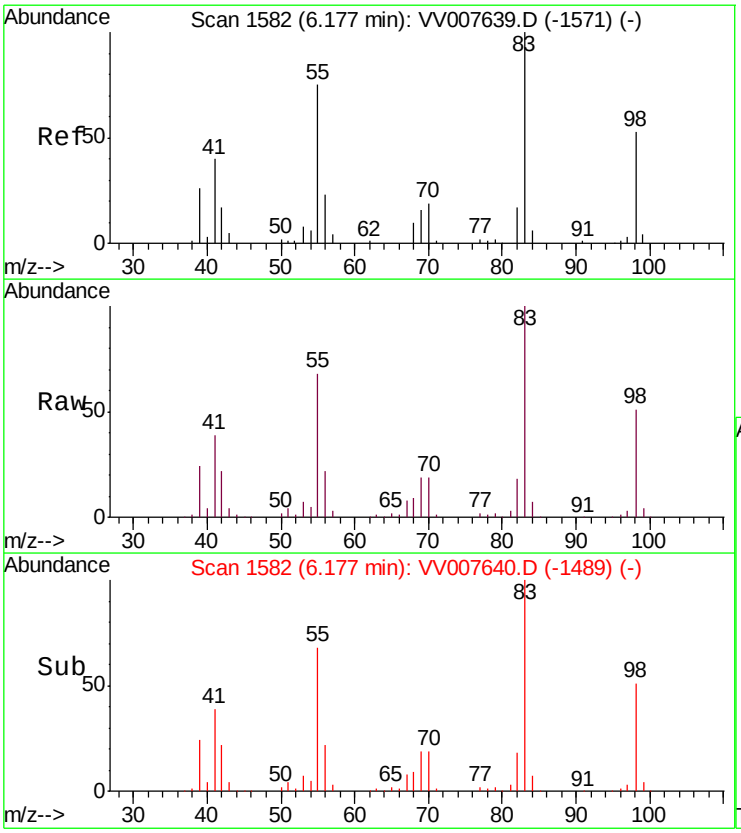

#34
Trichloroethene
Concen: 9.007 ug/L
RT: 5.96 min Scan# 1515
Delta R.T. -0.00 min
Lab File: VV007640.D
Acq: 19 Sep 2018 21:55

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD01070

Tgt Ion: 95 Resp: 79650

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 63.6 | 45.1 | 83.9 |
| 132 | 108.0 | 78.2 | 145.2 |
| 130 | 111.7 | 78.8 | 146.3 |

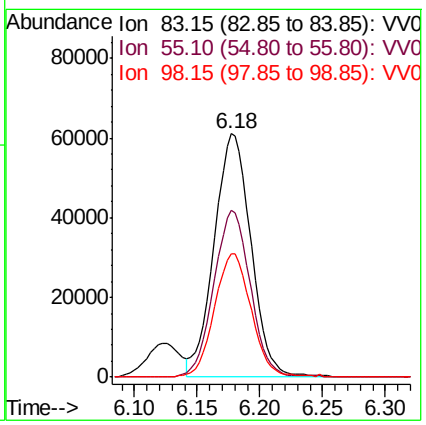


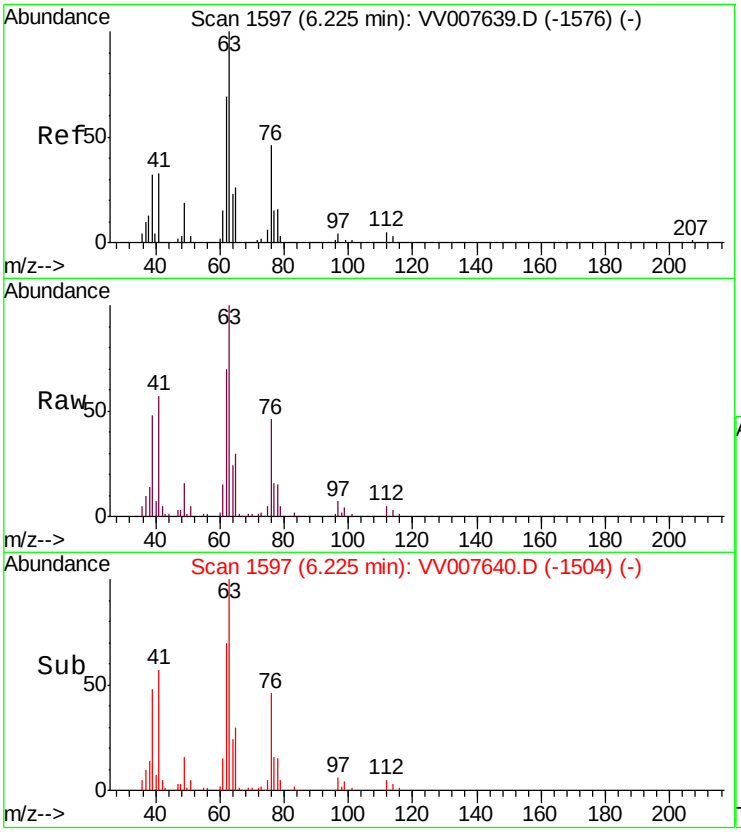




#35
Methylcyclohexane
Concen: 9.656 ug/L
RT: 6.18 min Scan# 1582
Delta R.T. -0.00 min
Lab File: VV007640.D
Acq: 19 Sep 2018 21:55

Tgt Ion: 83 Resp: 124368

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 68.5 | 54.8 | 82.2 |
| 98 | 50.9 | 40.7 | 61.1 |



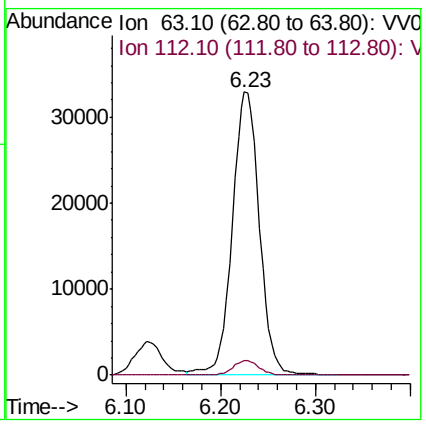


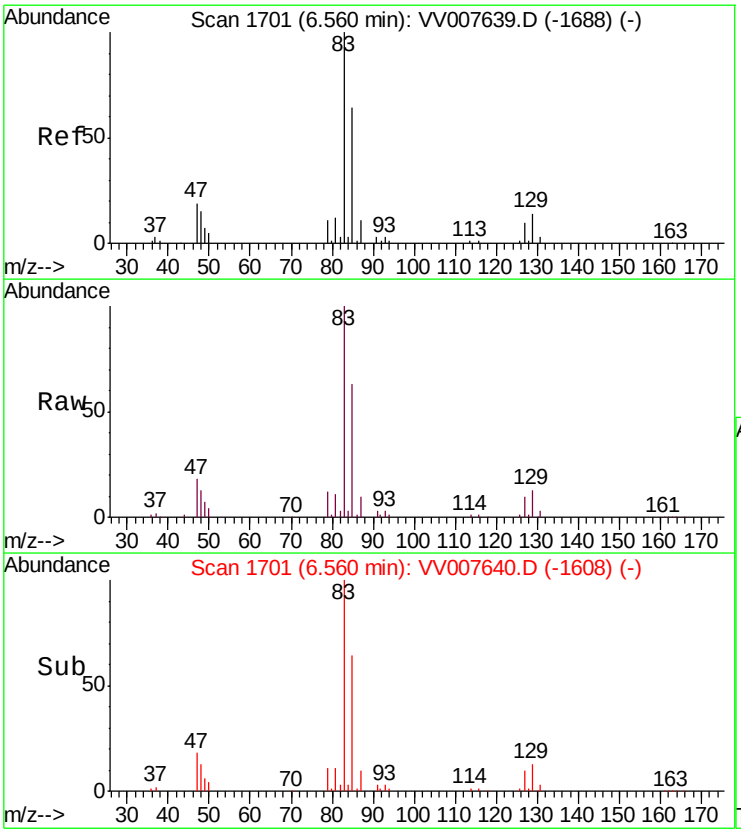

#37
1,2-Dichloropropane
Concen: 10.556 ug/L
RT: 6.23 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VV007640.D
Acq: 19 Sep 2018 21:55

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD01070

Tgt Ion: 63 Resp: 65558

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 4.8 | 3.9 | 5.9 |

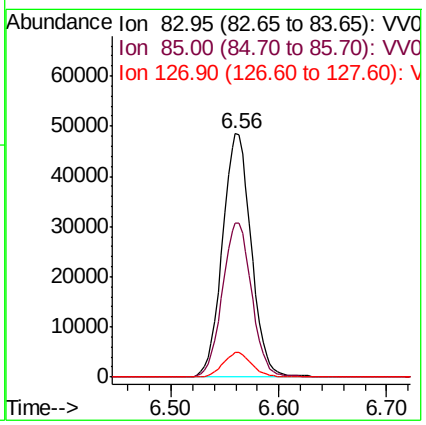


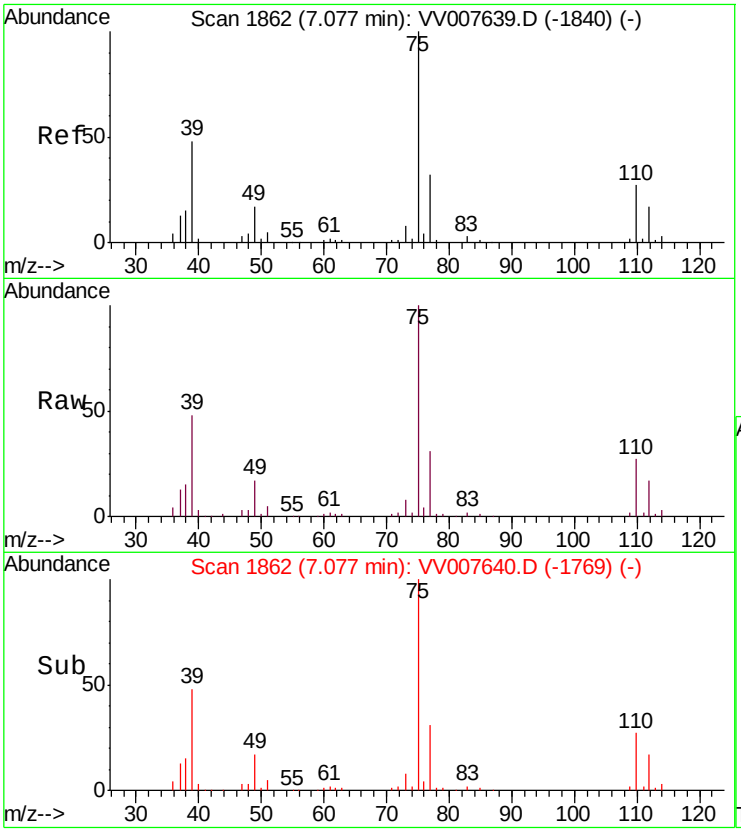




#38
Bromodichloromethane
Concen: 10.182 ug/L
RT: 6.56 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VV007640.D
Acq: 19 Sep 2018 21:55

Tgt Ion: 83 Resp: 90031

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.5 | 44.5 | 82.7 |
| 127 | 10.0 | 7.9 | 11.9 |



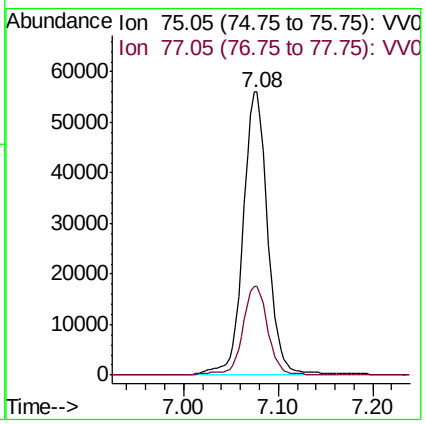


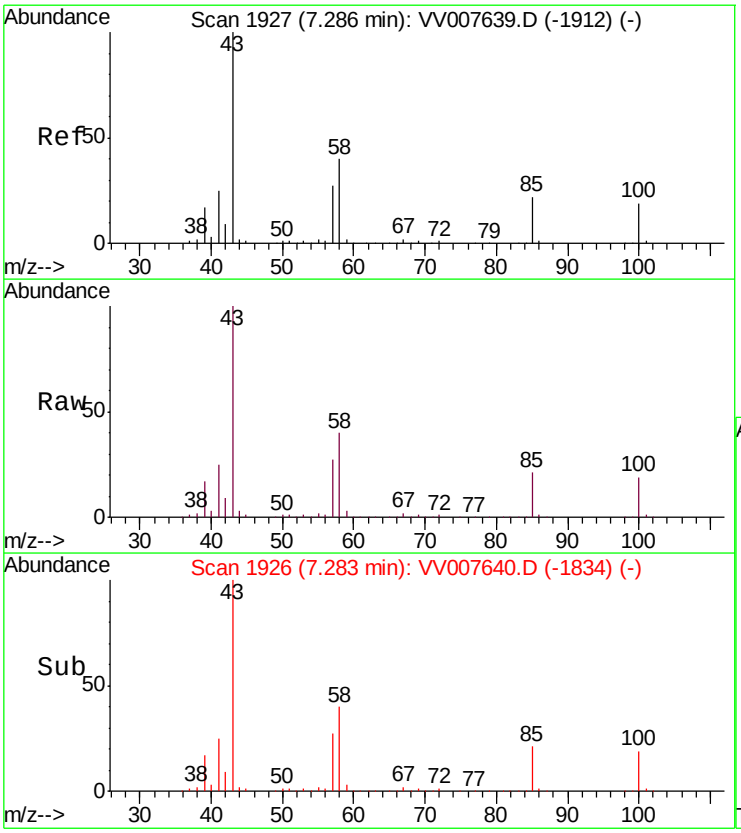

#39
cis-1,3-Dichloropropene
Concen: 10.080 ug/L
RT: 7.08 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VV007640.D
Acq: 19 Sep 2018 21:55

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD01070

Tgt Ion: 75 Resp: 101375

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.3 | 22.7 | 42.3 |

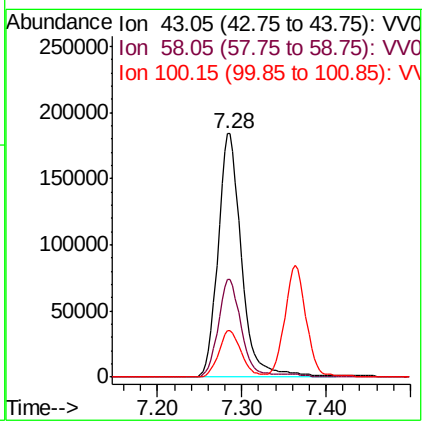


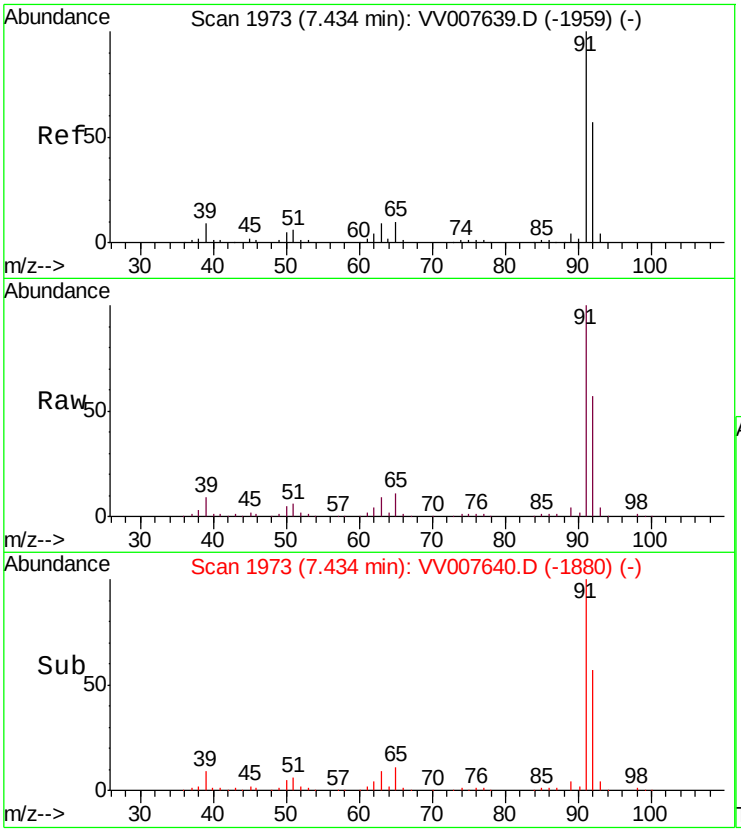




#40
4-Methyl-2-pentanone
Concen: 98.453 ug/L
RT: 7.28 min Scan# 1926
Delta R.T. -0.00 min
Lab File: VV007640.D
Acq: 19 Sep 2018 21:55

Tgt Ion: 43 Resp: 355517

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 39.5 | 32.4 | 48.6 |
| 100 | 18.1 | 14.6 | 21.8 |



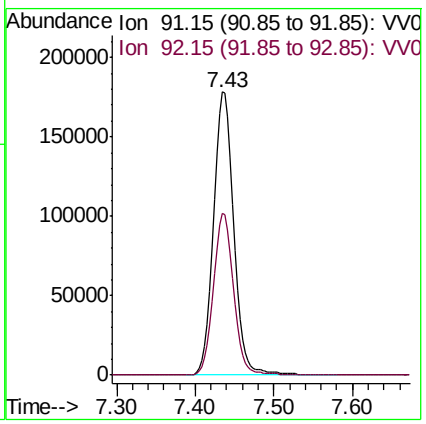


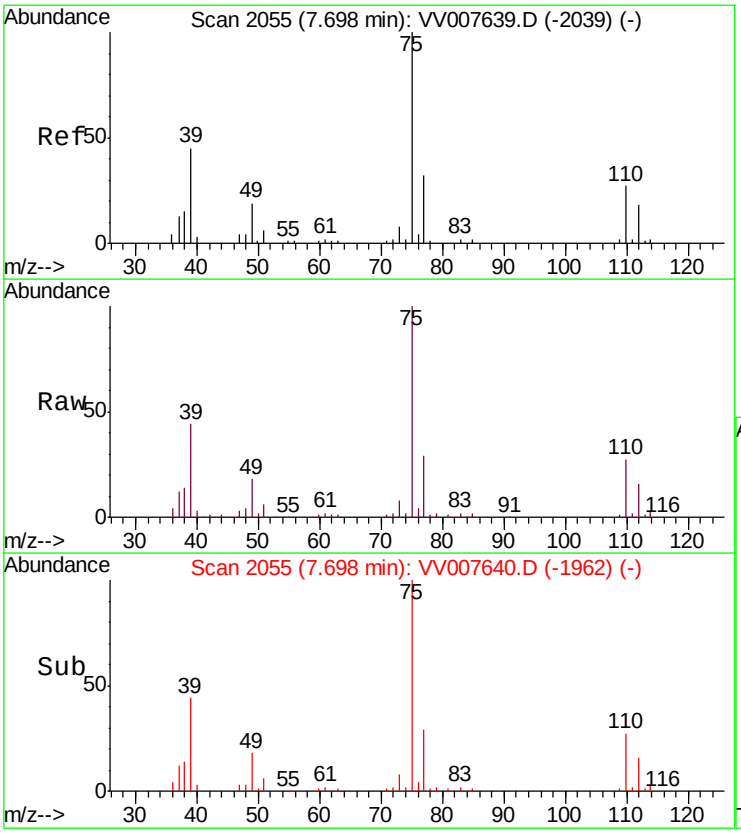

#42
Toluene
Concen: 10.087 ug/L
RT: 7.43 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VV007640.D
Acq: 19 Sep 2018 21:55

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD01070

Tgt Ion: 91 Resp: 316519

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 57.3 | 39.7 | 73.7 |

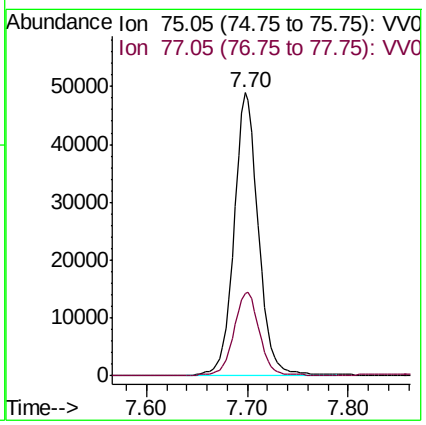


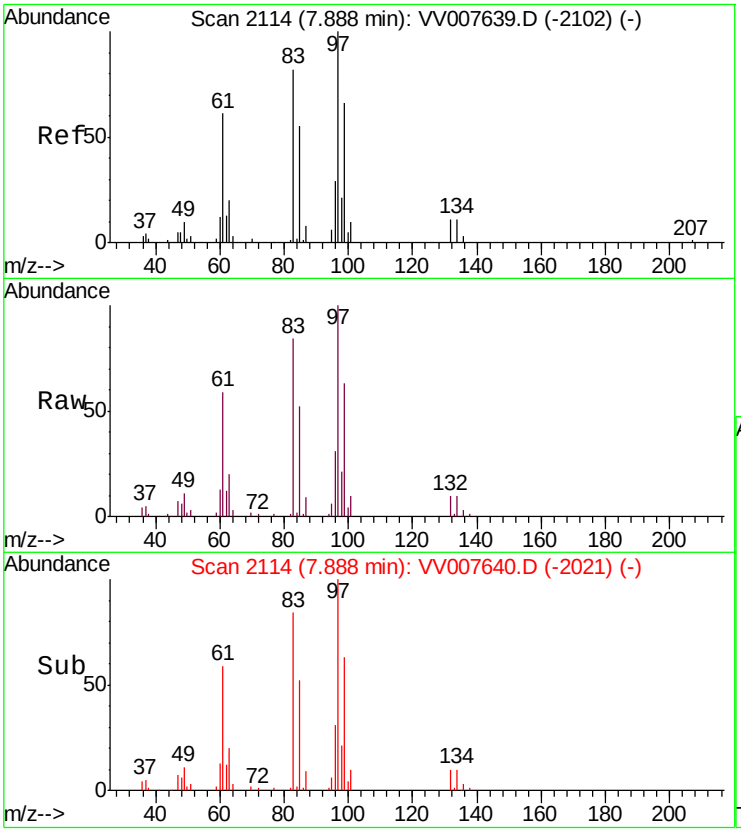




#44
trans-1,3-Dichloropropene
Concen: 10.161 ug/L
RT: 7.70 min Scan# 2055
Delta R.T. -0.00 min
Lab File: VV007640.D
Acq: 19 Sep 2018 21:55

Tgt Ion: 75 Resp: 81963

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 29.1 | 22.5 | 41.7 |



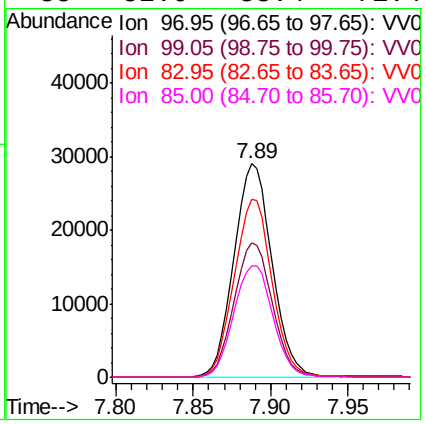


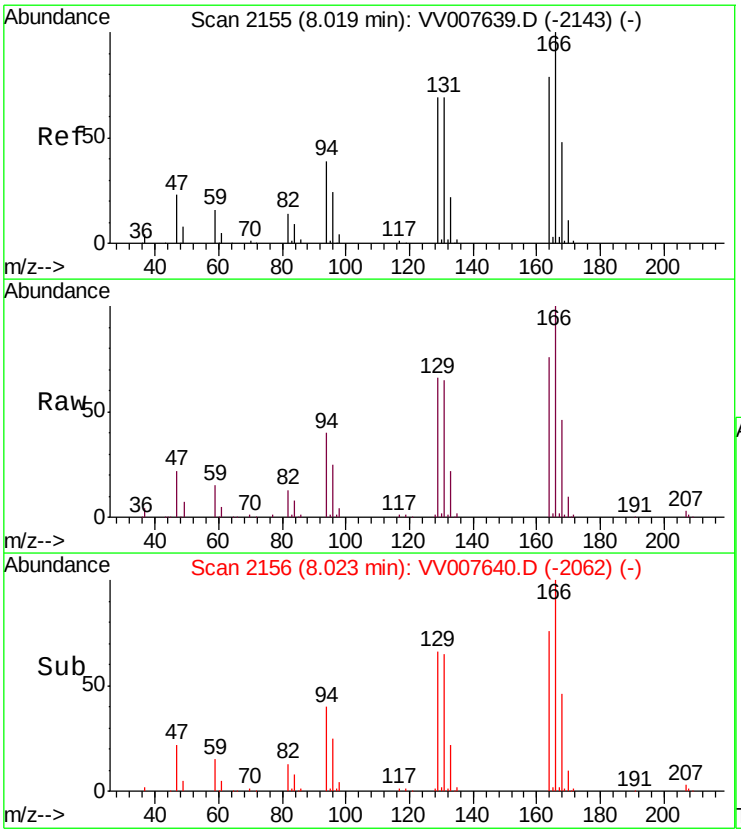

#45
1,1,2-Trichloroethane
Concen: 9.927 ug/L
RT: 7.89 min Scan# 2114
Delta R.T. -0.00 min
Lab File: VV007640.D
Acq: 19 Sep 2018 21:55

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD01070

Tgt Ion: 97 Resp: 49877

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.1 | 46.0 | 85.4 |
| 83 | 83.5 | 57.3 | 106.3 |
| 85 | 52.0 | 38.4 | 71.4 |

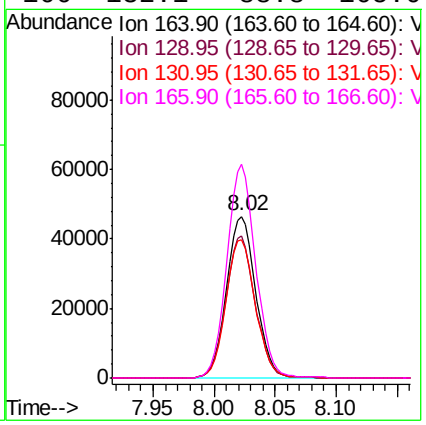


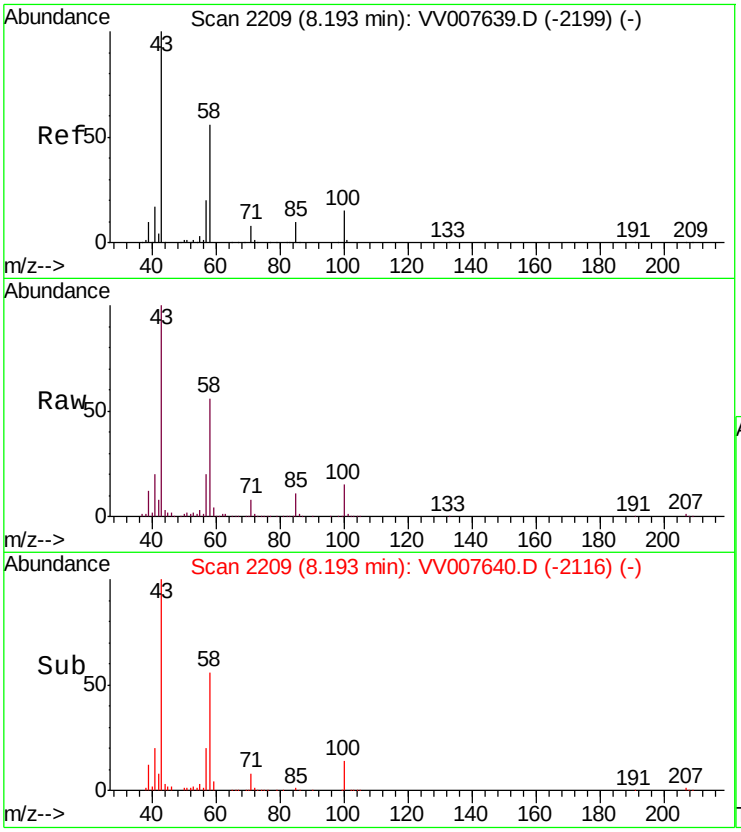




#47
Tetrachloroethene
Concen: 9.645 ug/L
RT: 8.02 min Scan# 2156
Delta R.T. 0.00 min
Lab File: VV007640.D
Acq: 19 Sep 2018 21:55

Tgt Ion:164 Resp: 78052

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 87.5 | 61.5 | 114.3 |
| 131 | 85.2 | 60.9 | 113.1 |
| 166 | 132.1 | 88.8 | 165.0 |



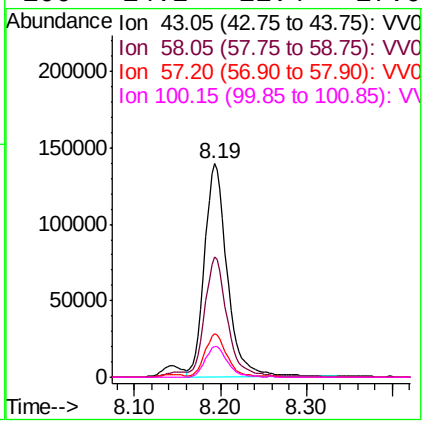


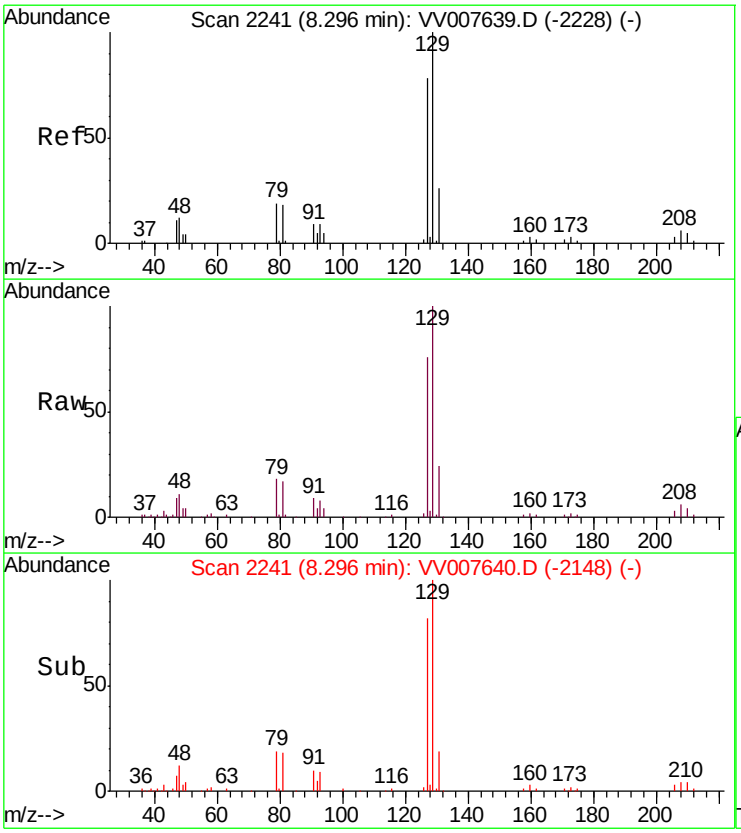

#48
2-Hexanone
Concen: 94.285 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VV007640.D
Acq: 19 Sep 2018 21:55

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD01070

Tgt Ion: 43 Resp: 258209

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 55.2 | 45.3 | 67.9 |
| 57 | 20.1 | 16.6 | 24.8 |
| 100 | 14.2 | 11.4 | 17.0 |

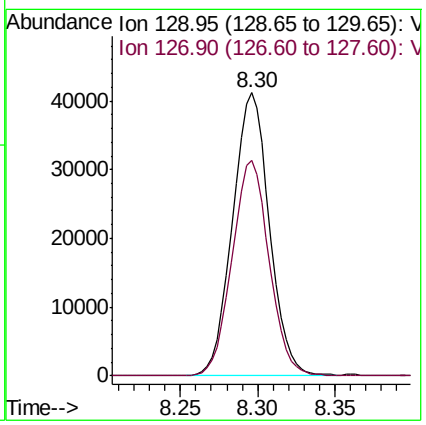


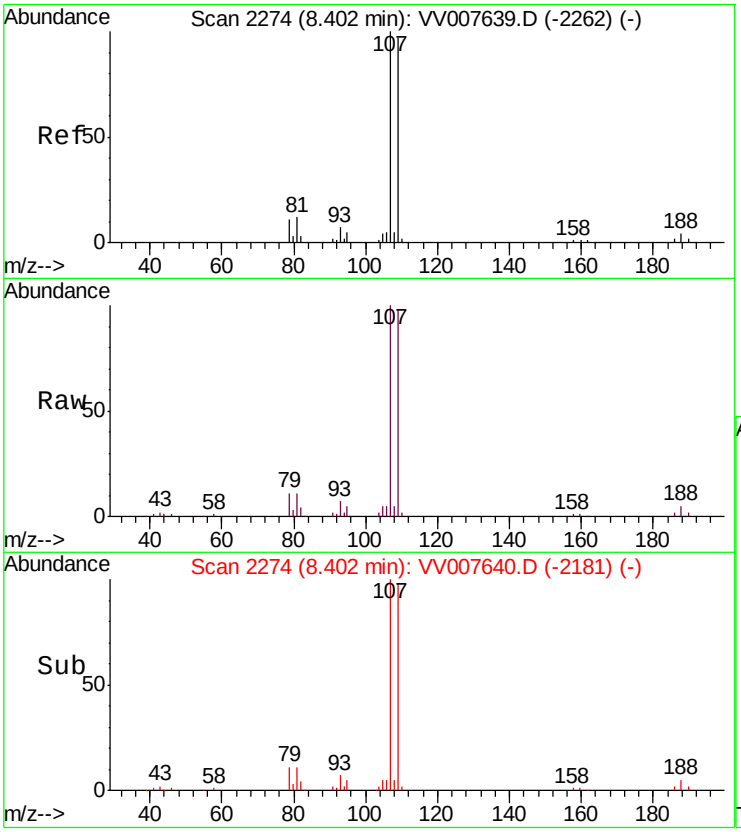




#49
Dibromochloromethane
Concen: 10.343 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VV007640.D
Acq: 19 Sep 2018 21:55

Tgt Ion:129 Resp: 67972

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 76.2 | 54.9 | 102.1 |



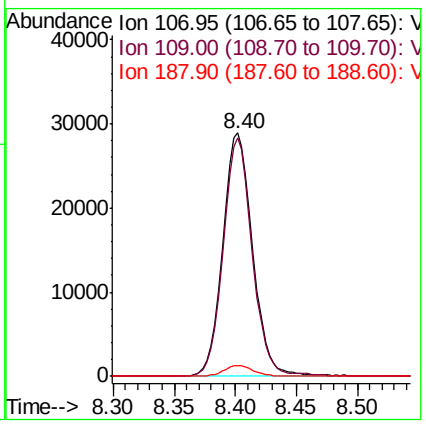


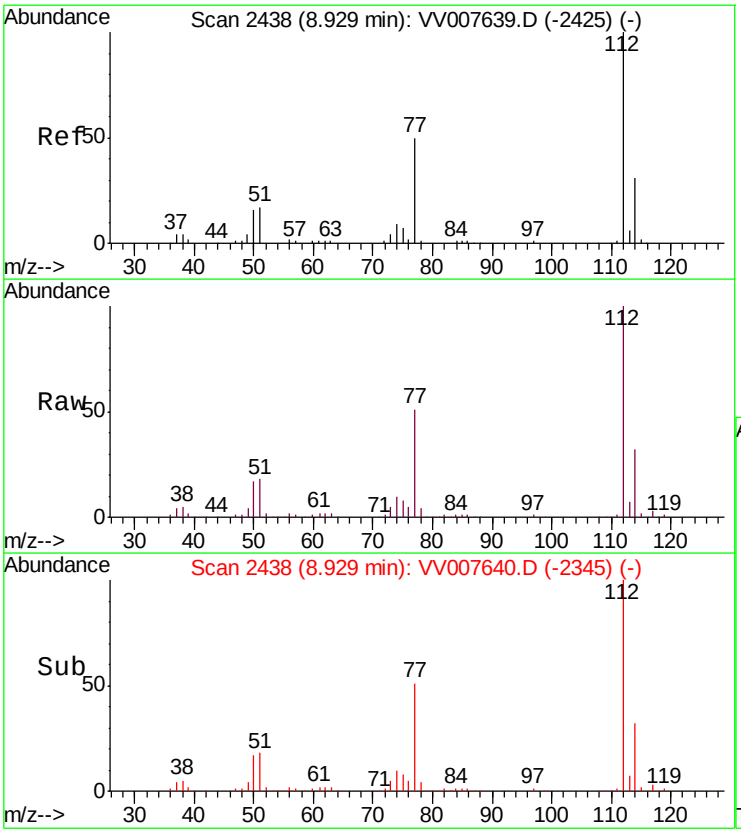

#50
1,2-Dibromoethane
Concen: 9.970 ug/L
RT: 8.40 min Scan# 2274
Delta R.T. -0.00 min
Lab File: VV007640.D
Acq: 19 Sep 2018 21:55

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD01070

Tgt Ion:107 Resp: 49588

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 98.2 | 68.0 | 126.4 |
| 188 | 4.6 | 3.5 | 5.3 |

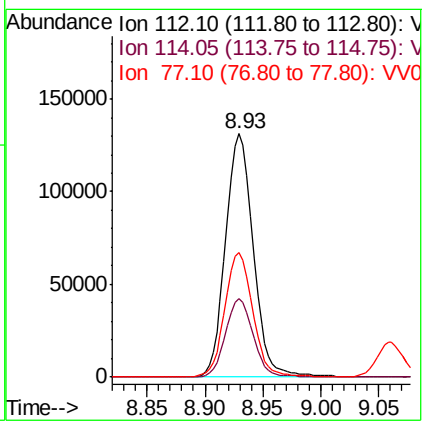


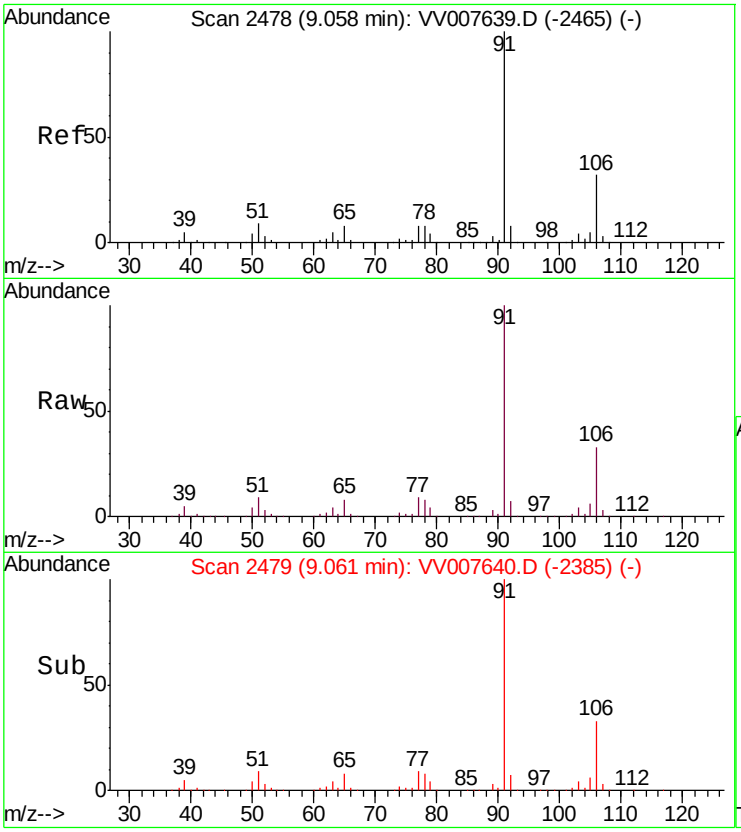




#51
Chlorobenzene
Concen: 9.983 ug/L
RT: 8.93 min Scan# 2438
Delta R.T. -0.00 min
Lab File: VV007640.D
Acq: 19 Sep 2018 21:55

Tgt Ion:112 Resp: 217387

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.1 | 21.5 | 39.9 |
| 77 | 51.1 | 40.8 | 61.2 |



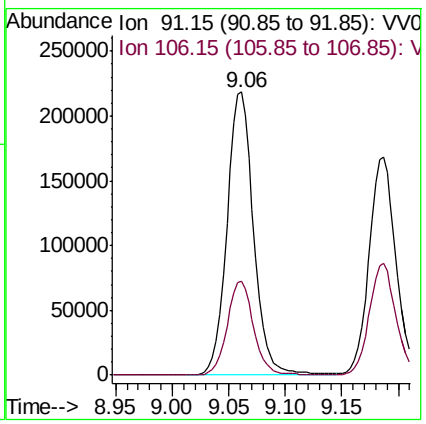


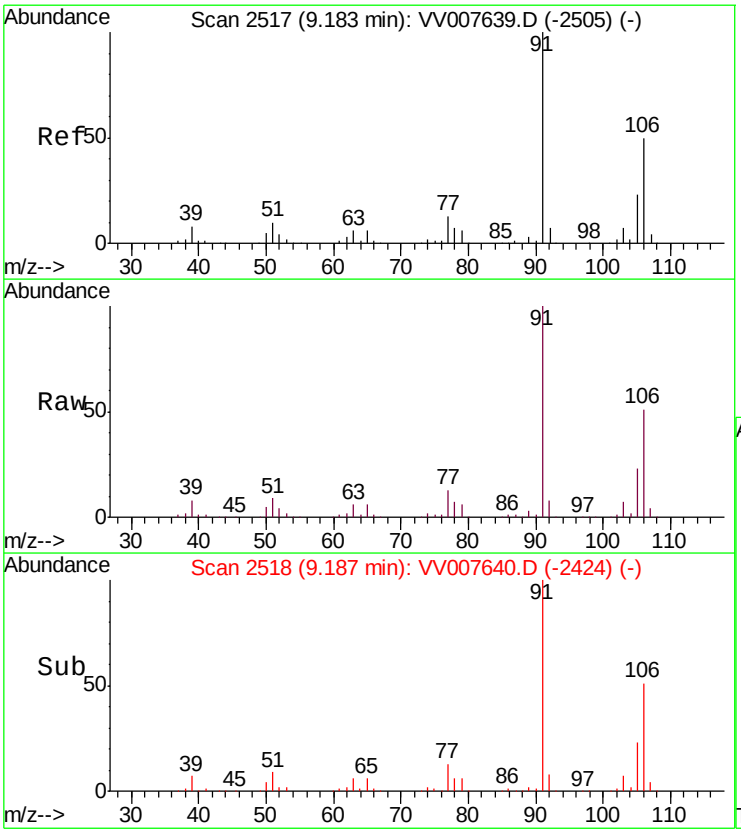

#52
Ethylbenzene
Concen: 10.028 ug/L
RT: 9.06 min Scan# 2479
Delta R.T. 0.00 min
Lab File: VV007640.D
Acq: 19 Sep 2018 21:55

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD01070

Tgt Ion: 91 Resp: 356968

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 33.1 | 22.1 | 41.1 |

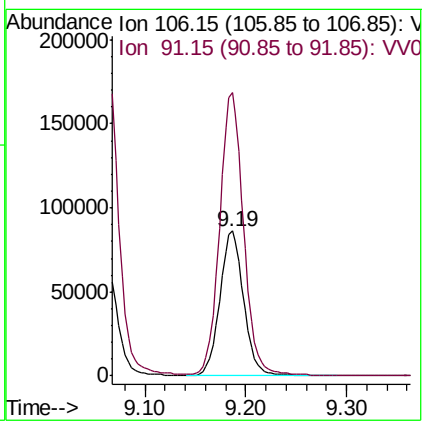


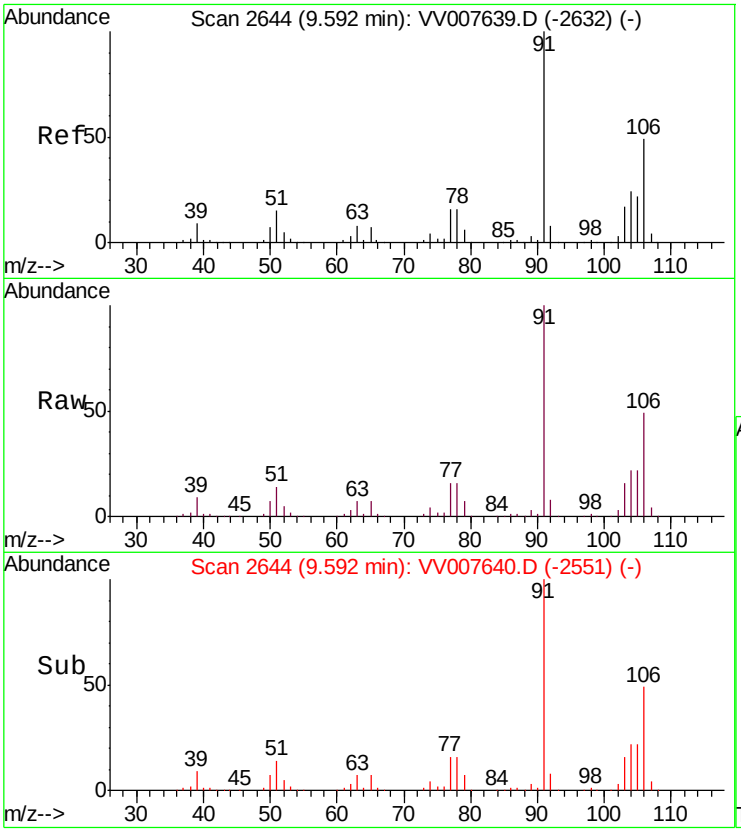




#53
m,p-xylene
Concen: 9.875 ug/L
RT: 9.19 min Scan# 2518
Delta R.T. 0.00 min
Lab File: VV007640.D
Acq: 19 Sep 2018 21:55

Tgt Ion:106 Resp: 141684

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 195.2 | 140.9 | 261.7 |



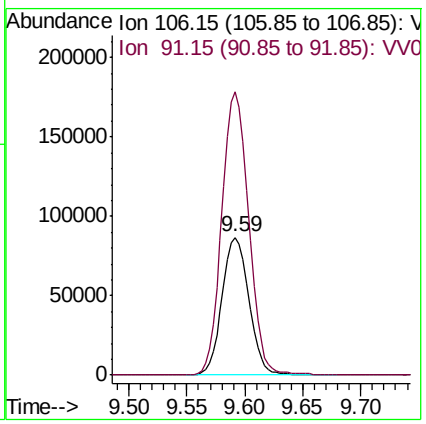


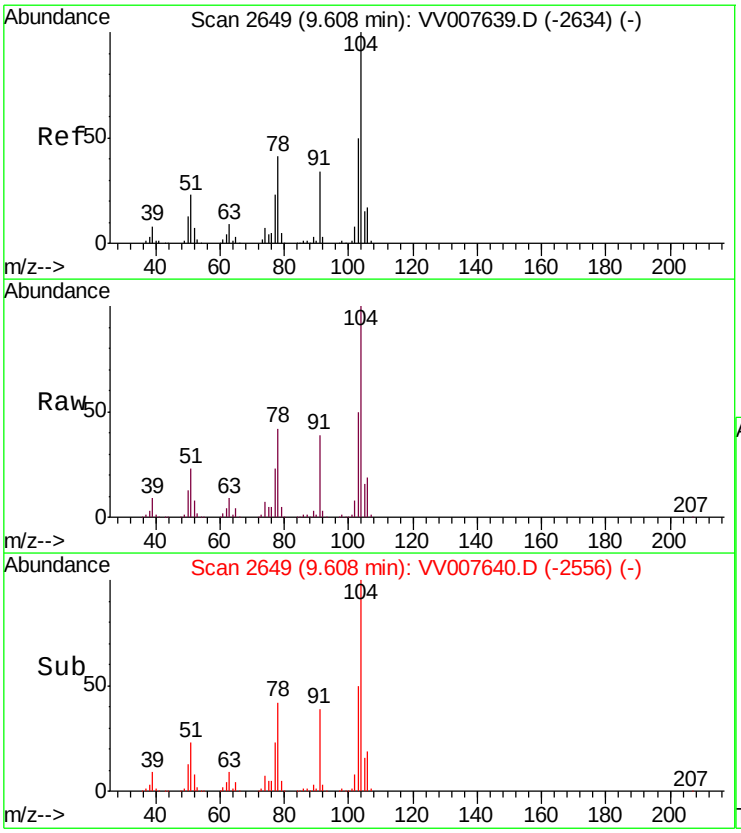

#54
o-xylene
Concen: 10.330 ug/L
RT: 9.59 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VV007640.D
Acq: 19 Sep 2018 21:55

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD01070

Tgt Ion:106 Resp: 139739

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 205.0 | 143.3 | 266.1 |

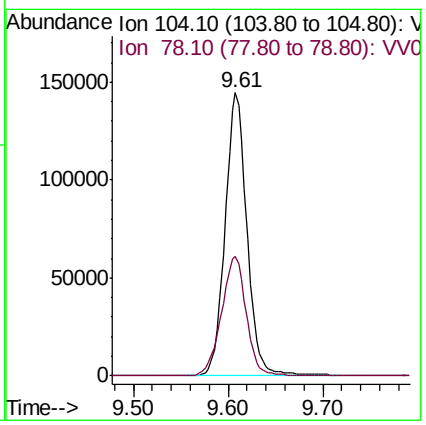


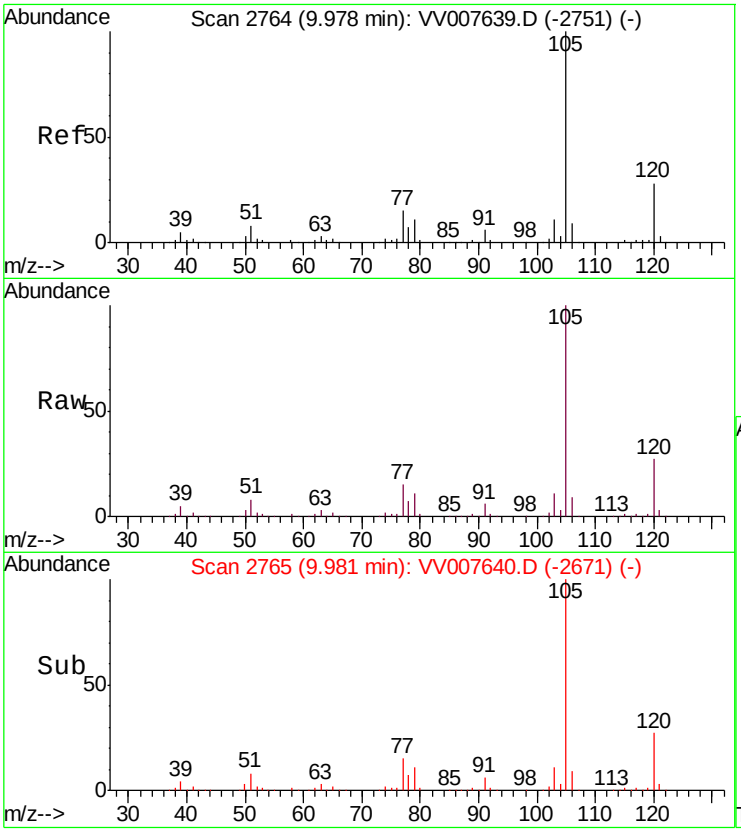




#55
Styrene
Concen: 10.363 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. -0.00 min
Lab File: VV007640.D
Acq: 19 Sep 2018 21:55

Tgt Ion:104 Resp: 232739

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 42.4 | 29.0 | 53.9 |



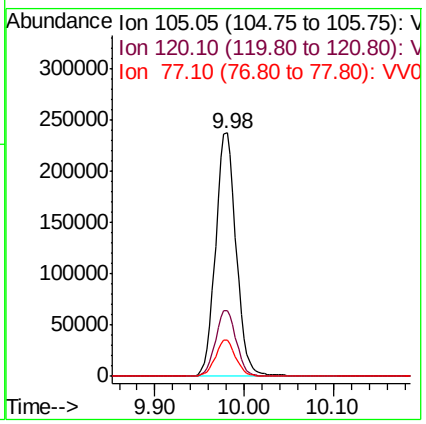


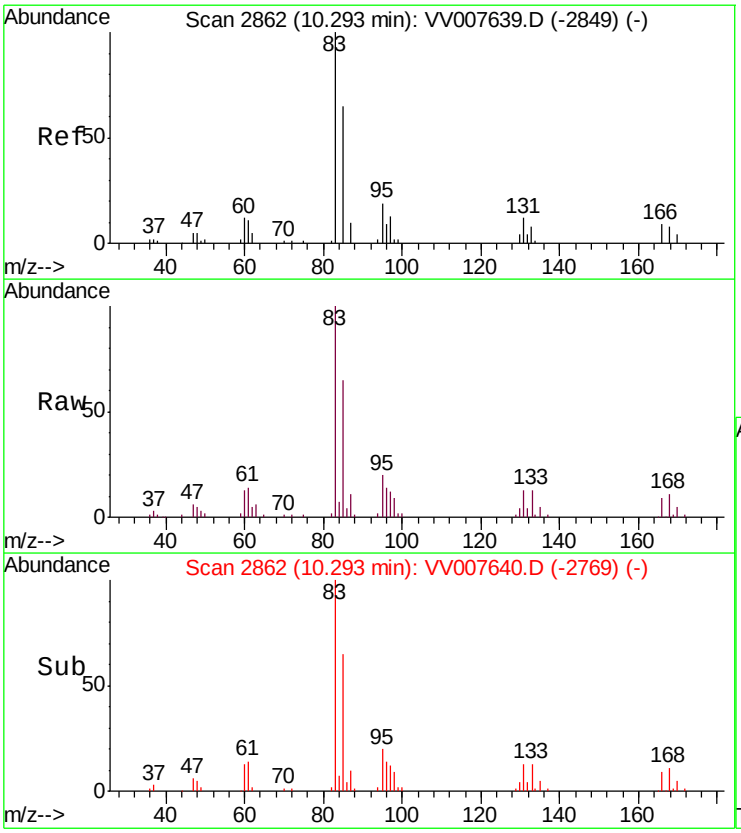

#56
Isopropylbenzene
Concen: 10.161 ug/L
RT: 9.98 min Scan# 2765
Delta R.T. 0.00 min
Lab File: VV007640.D
Acq: 19 Sep 2018 21:55

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD01070

Tgt Ion:105 Resp: 378919

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 27.5 | 22.4 | 33.6 |
| 77 | 14.8 | 11.8 | 17.6 |

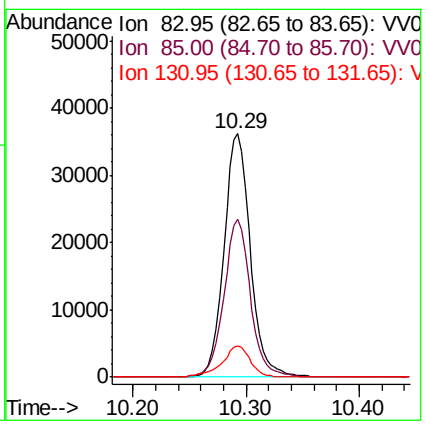


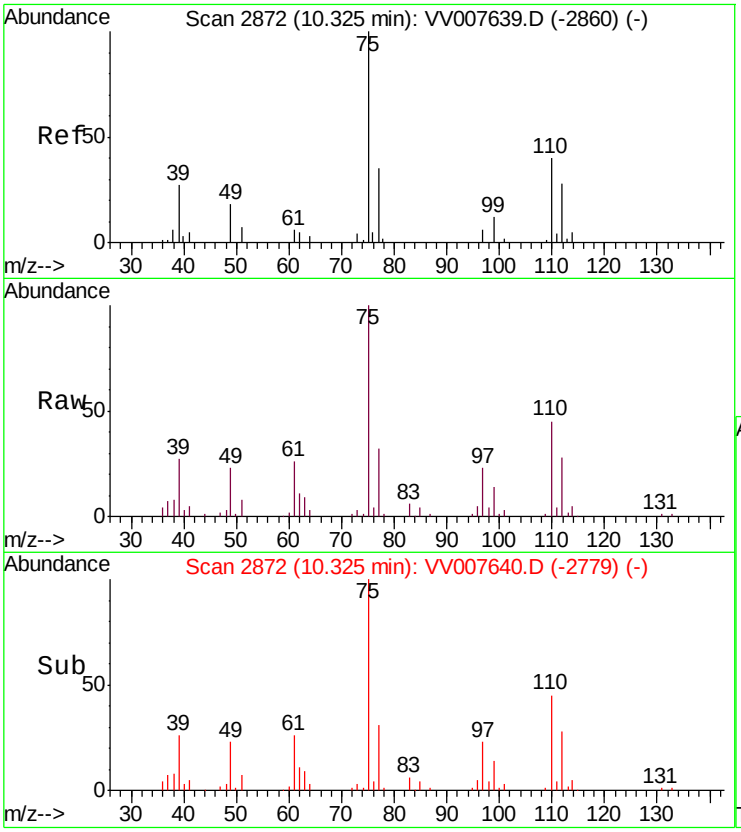




#58
1,1,2,2-Tetrachloroethane
Concen: 12.252 ug/L
RT: 10.29 min Scan# 2862
Delta R.T. -0.00 min
Lab File: VV007640.D
Acq: 19 Sep 2018 21:55

Tgt Ion: 83 Resp: 58410

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.6 | 45.8 | 85.2 |
| 131 | 12.8 | 9.4 | 14.0 |



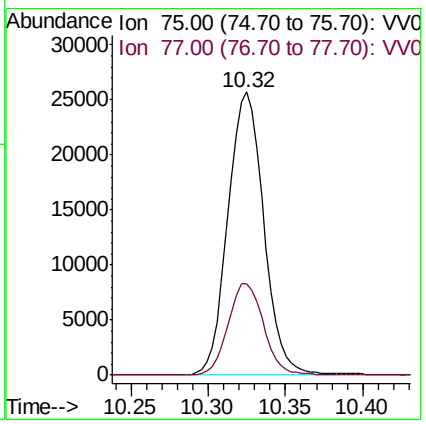


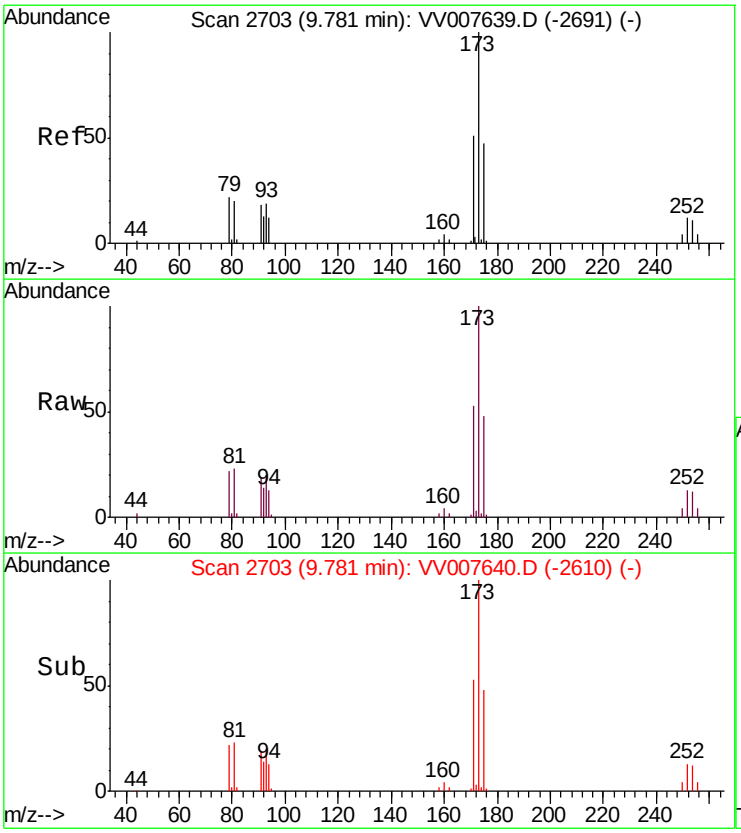

#59
1,2,3-Trichloropropane
Concen: 10.087 ug/L
RT: 10.32 min Scan# 2872
Delta R.T. -0.00 min
Lab File: VV007640.D
Acq: 19 Sep 2018 21:55

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD01070

Tgt Ion: 75 Resp: 41339

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.0 | 26.5 | 39.7 |

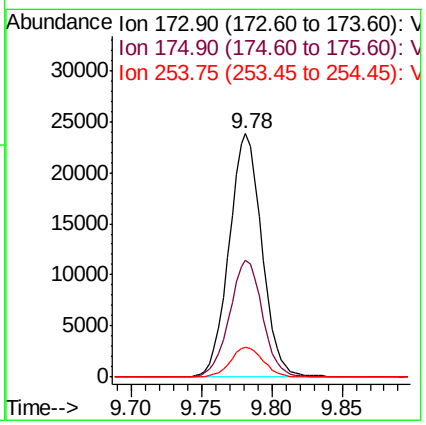


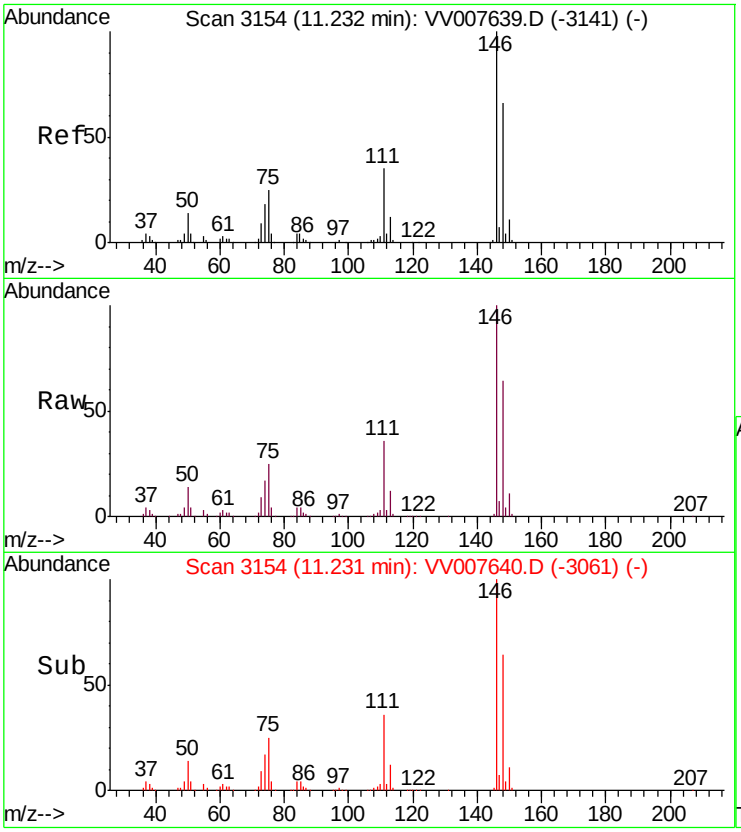




#61
Bromoform
Concen: 9.935 ug/L
RT: 9.78 min Scan# 2703
Delta R.T. -0.00 min
Lab File: VV007640.D
Acq: 19 Sep 2018 21:55

Tgt Ion:173 Resp: 38699

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.1 | 37.5 | 56.3 |
| 254 | 12.1 | 8.5 | 12.7 |



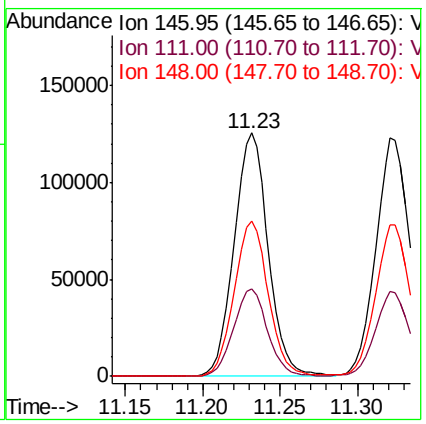


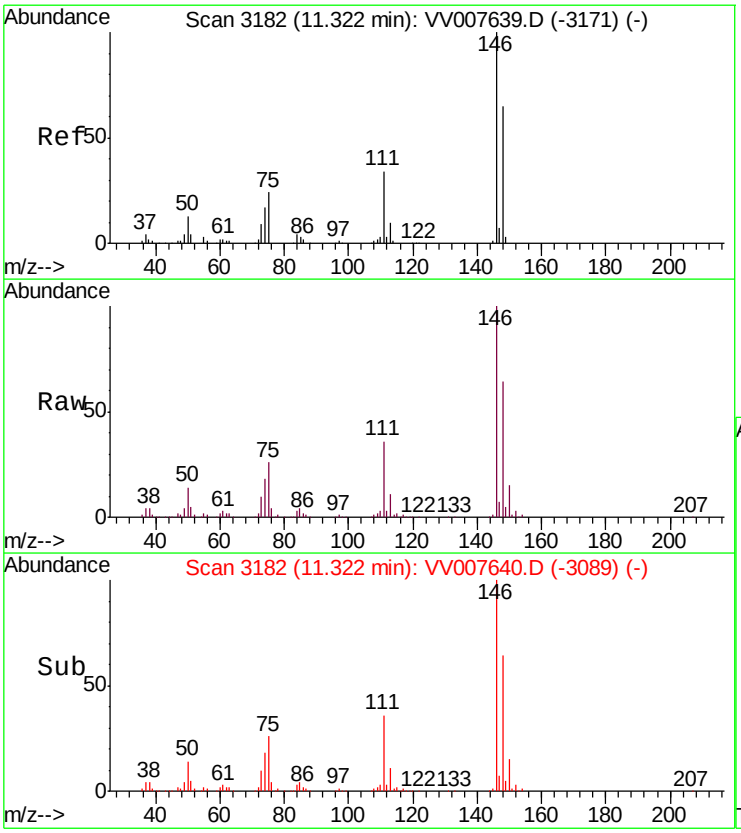

#62
1,3-Dichlorobenzene
Concen: 9.826 ug/L
RT: 11.23 min Scan# 3154
Delta R.T. -0.00 min
Lab File: VV007640.D
Acq: 19 Sep 2018 21:55

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD01070

Tgt Ion:146 Resp: 191937

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 36.0 | 24.7 | 45.9 |
| 148 | 63.8 | 46.1 | 85.7 |

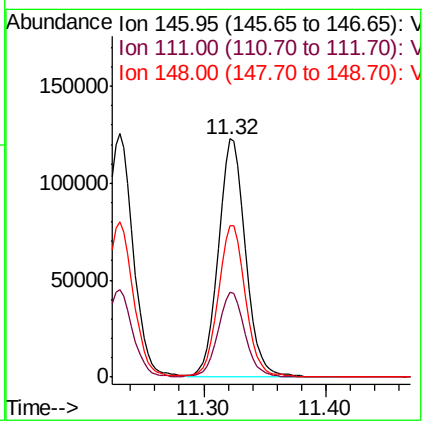


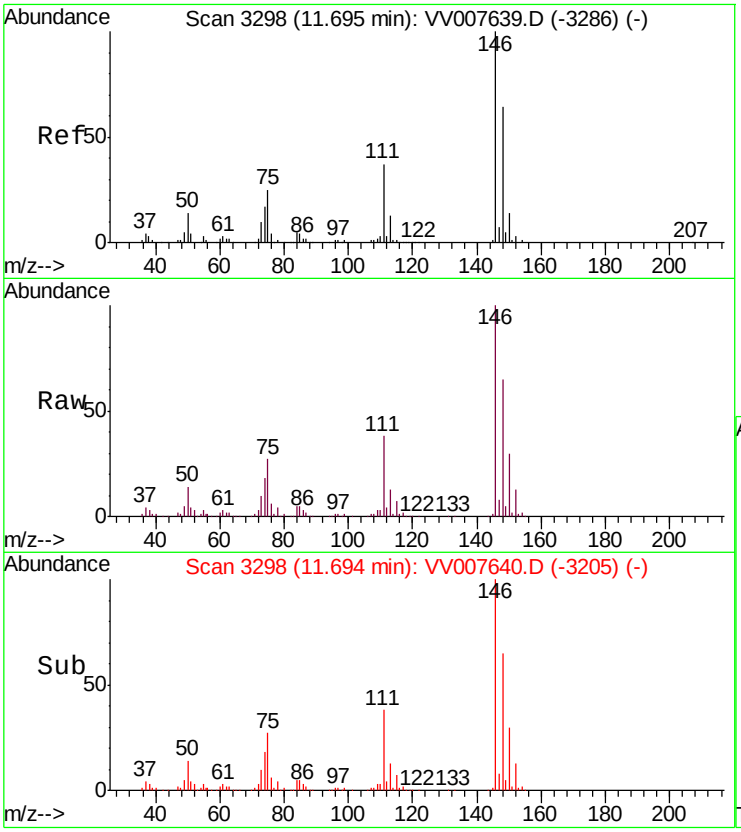




#63
1,4-Dichlorobenzene
Concen: 9.969 ug/L
RT: 11.32 min Scan# 3182
Delta R.T. -0.00 min
Lab File: VV007640.D
Acq: 19 Sep 2018 21:55

Tgt Ion:146 Resp: 192834

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 35.6 | 24.3 | 45.1 |
| 148 | 63.5 | 45.7 | 84.9 |



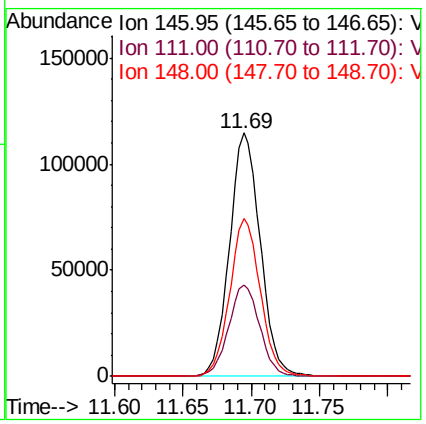


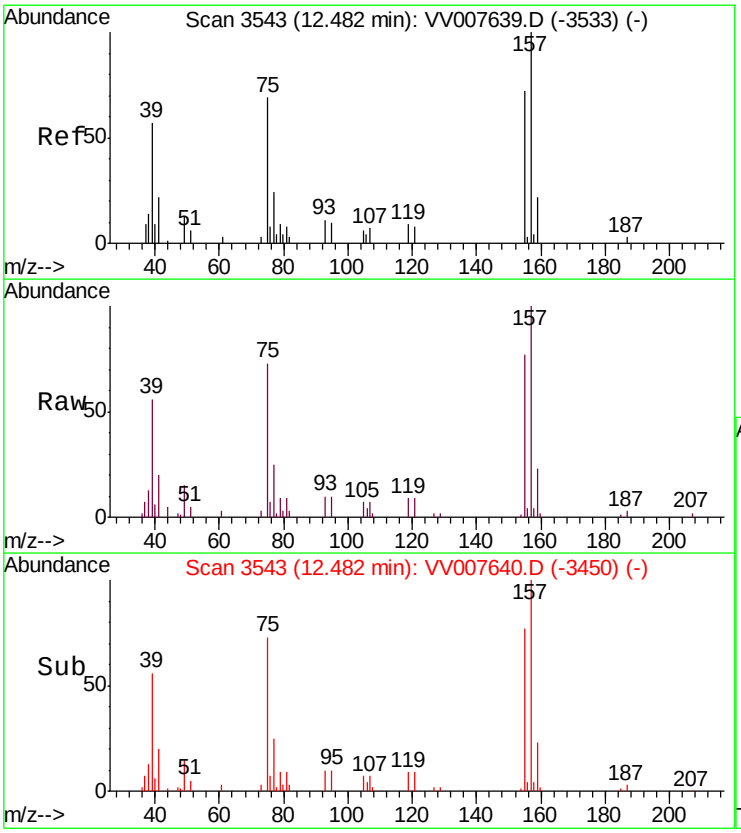

#65
1,2-Dichlorobenzene
Concen: 9.964 ug/L
RT: 11.69 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VV007640.D
Acq: 19 Sep 2018 21:55

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD01070

Tgt Ion:146 Resp: 179608

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 37.6 | 30.0 | 45.0 |
| 148 | 64.7 | 51.5 | 77.3 |

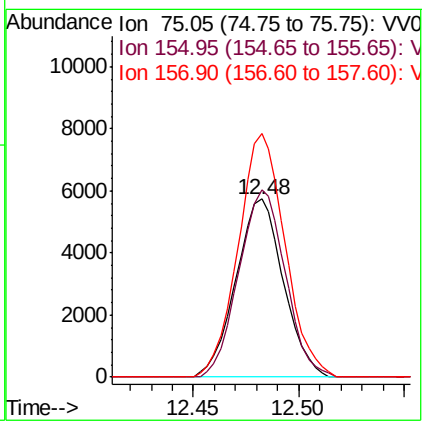


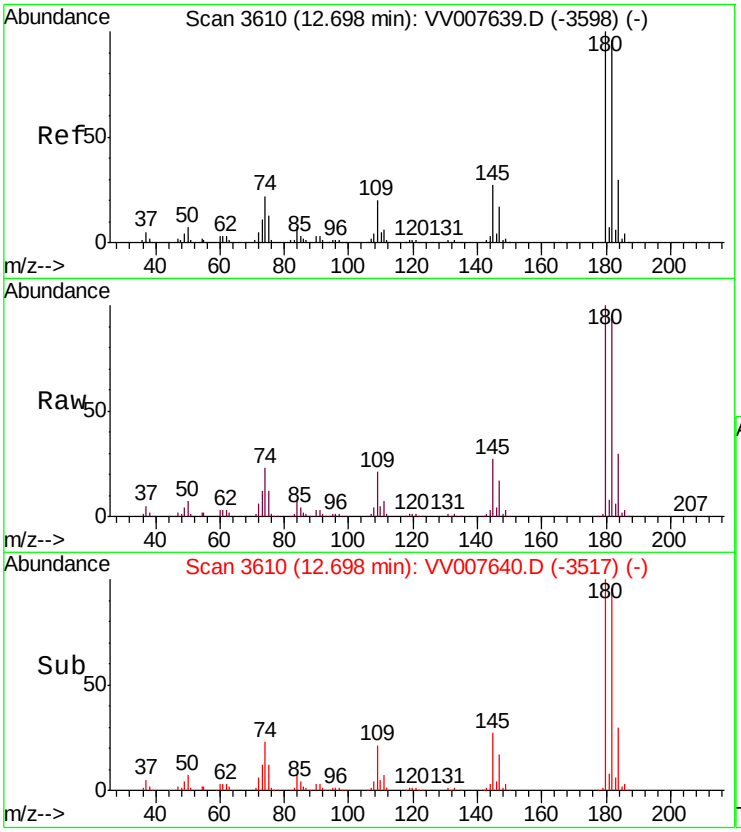




#66
1,2-Dibromo-3-chloropropane
Concen: 11.584 ug/L
RT: 12.48 min Scan# 3543
Delta R.T. -0.00 min
Lab File: VV007640.D
Acq: 19 Sep 2018 21:55

Tgt Ion: 75 Resp: 8977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 104.9 | 84.6 | 127.0 |
| 157 | 136.6 | 116.8 | 175.2 |



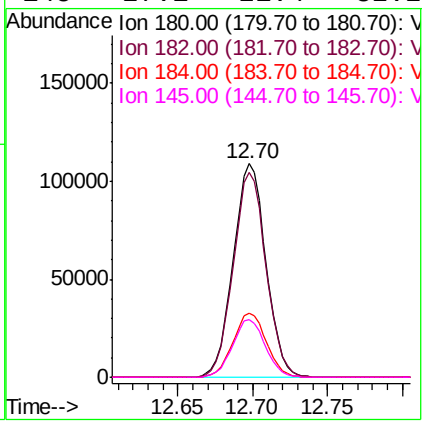


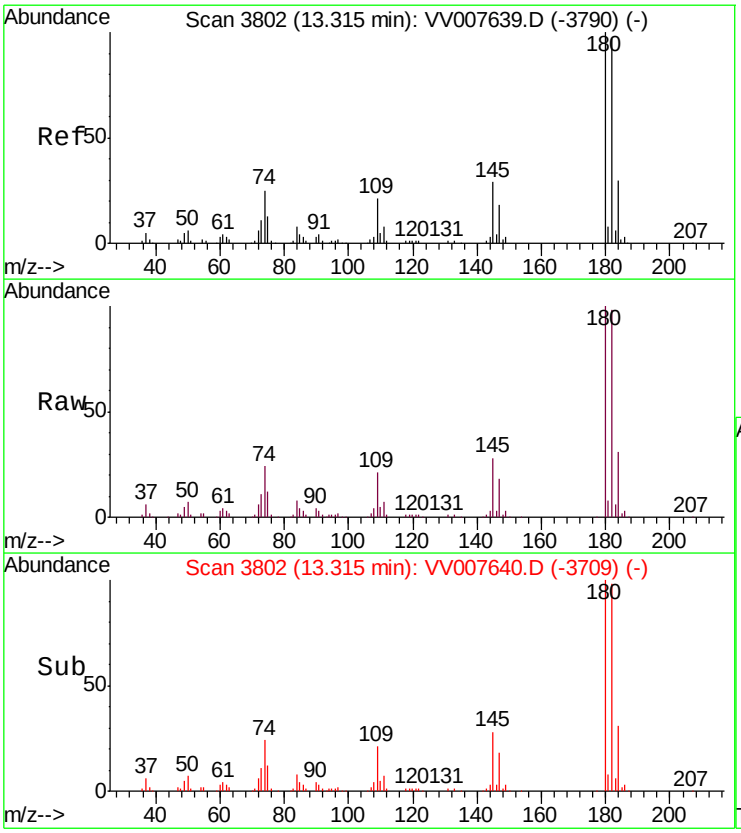

#67
1,3,5-Trichlorobenzene
Concen: 10.596 ug/L
RT: 12.70 min Scan# 3610
Delta R.T. -0.00 min
Lab File: VV007640.D
Acq: 19 Sep 2018 21:55

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD01070

Tgt Ion:180 Resp: 165774

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.1 | 75.8 | 113.8 |
| 184 | 30.5 | 24.5 | 36.7 |
| 145 | 27.1 | 21.4 | 32.2 |

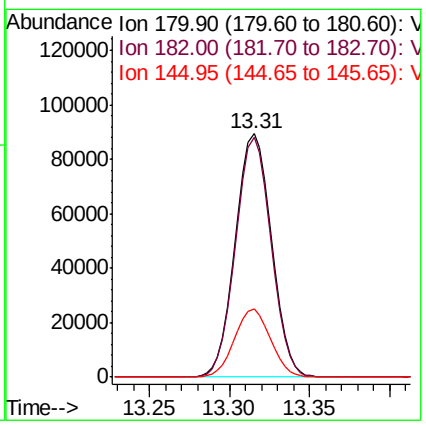


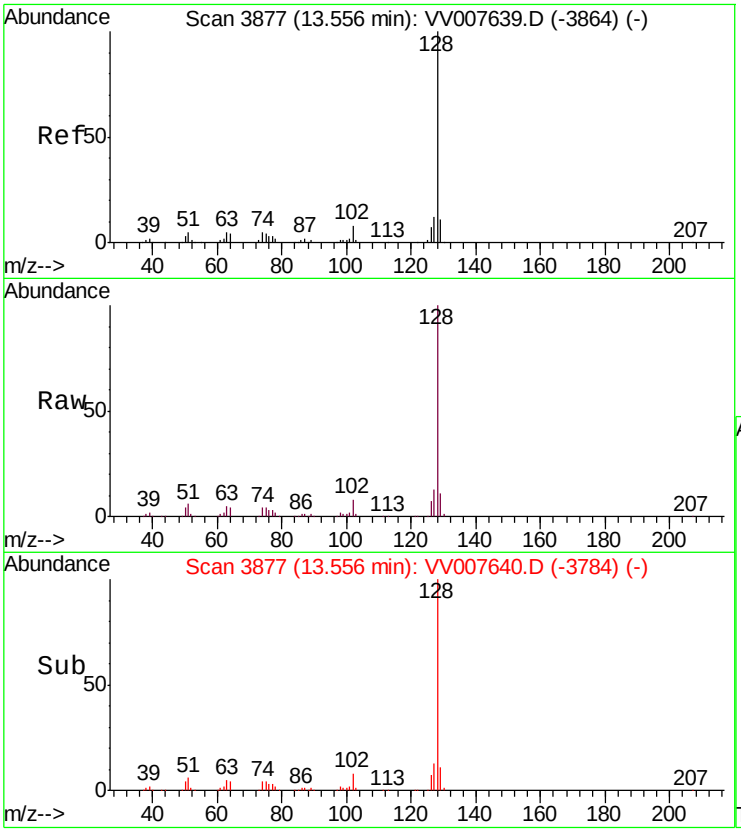




#68
1,2,4-trichlorobenzene
Concen: 12.185 ug/L
RT: 13.31 min Scan# 3802
Delta R.T. -0.00 min
Lab File: VV007640.D
Acq: 19 Sep 2018 21:55

Tgt Ion:180 Resp: 137340

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.8 | 77.8 | 116.6 |
| 145 | 27.8 | 23.0 | 34.4 |



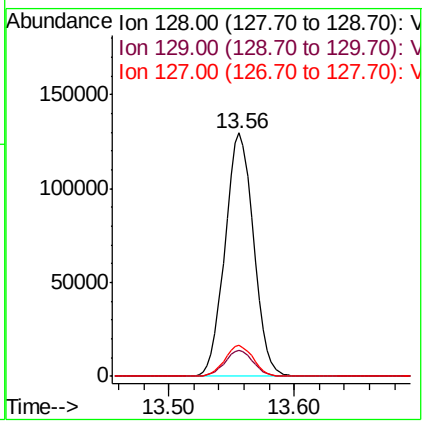


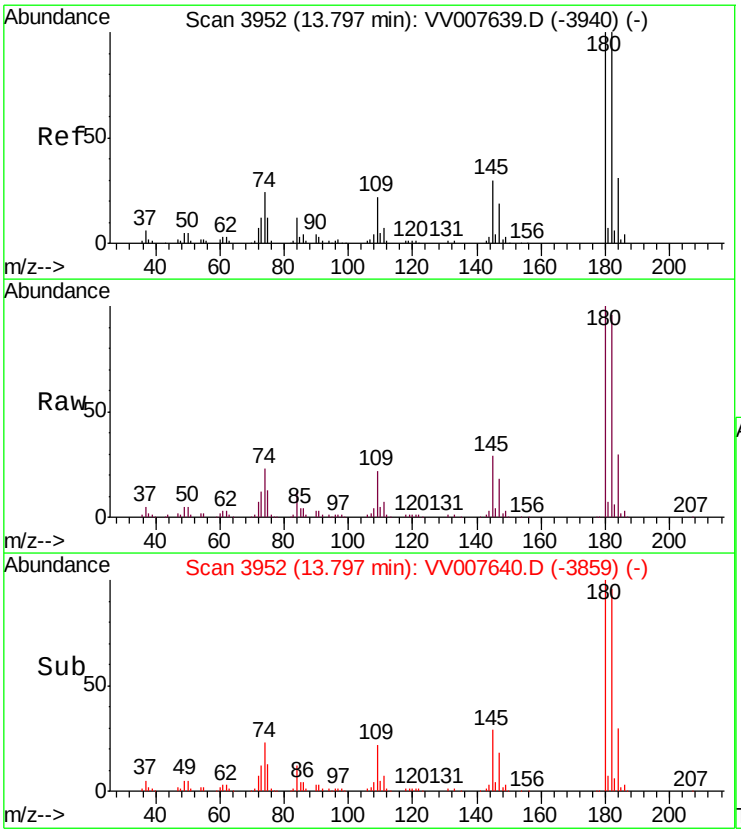

#69
Naphthalene
Concen: 14.575 ug/L
RT: 13.56 min Scan# 3877
Delta R.T. -0.00 min
Lab File: VV007640.D
Acq: 19 Sep 2018 21:55

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD01070

Tgt Ion:128 Resp: 204676

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.5 | 8.6 | 13.0 |
| 127 | 12.7 | 10.2 | 15.2 |




#70
1,2,3-Trichlorobenzene
Concen: 12.124 ug/L
RT: 13.80 min Scan# 3952
Delta R.T. -0.00 min
Lab File: VV007640.D
Acq: 19 Sep 2018 21:55

Tgt Ion:180 Resp: 125147

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.2 | 79.7 | 119.5 |
| 145 | 29.3 | 23.9 | 35.9 |