Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR121718\

Quantitation Report (Not Reviewed)

Data File : VR026266.D
Acq On : 17 Dec 2018 15:37
Operator : SY/MD
Sample : VSTD00583
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** MSVOA_R
**ClientSampleId :** VSTD00583

Quant Time: Dec 17 16:42:52 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR121718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Dec 17 15:07:11 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 8.46 | 114 | 621711 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 11.29 | 117 | 504842 | 5.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 13.23 | 152 | 206870 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 2.16 | 65 | 198757 | 3.61 | ug/L | 0.00 |
| 7) Chloroethane-d5 | 2.62 | 69 | 204285 | 4.40 | ug/L | -0.01 |
| 11) 1,1-Dichloroethene-d2 | 3.61 | 63 | 560137 | 4.20 | ug/L | 0.00 |
| 20) 2-Butanone-d5 | 6.59 | 46 | 172681 | 41.13 | ug/L | 0.00 |
| 24) Chloroform-d | 7.20 | 84 | 412592 | 4.35 | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4 | 7.90 | 65 | 155320 | 4.23 | ug/L | 0.00 |
| 32) Benzene-d6 | 7.85 | 84 | 810281 | 4.66 | ug/L | 0.00 |
| 36) 1,2-Dichloropropane-d6 | 8.90 | 67 | 204188 | 4.60 | ug/L | 0.00 |
| 41) Toluene-d8 | 9.97 | 98 | 761562 | 4.67 | ug/L | 0.00 |
| 43) trans-1,3-Dichloropropene- | 10.24 | 79 | 51038 | 4.24 | ug/L | 0.00 |
| 46) 2-Hexanone-d5 | 10.59 | 63 | 122986 | 45.11 | ug/L | 0.00 |
| 57) 1,1,2,2-Tetrachloroethane- | 12.36 | 84 | 78223 | 4.29 | ug/L | 0.00 |
| 64) 1,2-Dichlorobenzene-d4 | 13.52 | 152 | 155777 | 4.39 | ug/L | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.83 | 85 | 270797 | 6.336 | ug/L | 96 |
| 3) Chloromethane | 2.02 | 50 | 314461 | 5.338 | ug/L | 99 |
| 5) Vinyl chloride | 2.17 | 62 | 321302 | 5.516 | ug/L | 94 |
| 6) Bromomethane | 2.52 | 94 | 212571 | 5.454 | ug/L | 93 |
| 8) Chloroethane | 2.65 | 64 | 197235 | 5.405 | ug/L | 99 |
| 9) Trichlorofluoromethane | 2.94 | 101 | 237296 | 2.523 | ug/L # | 1 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 3.68 | 101 | 275338 | 5.356 | ug/L | 99 |
| 12) 1,1-Dichloroethene | 3.63 | 96 | 287050 | 5.166 | ug/L # | 59 |
| 13) Acetone | 3.70 | 43 | 172457 | 44.876 | ug/L | 97 |
| 14) Carbon disulfide | 3.94 | 76 | 946268 | 6.751 | ug/L | 100 |
| 15) Methyl Acetate | 4.20 | 43 | 44277 | 4.258 | ug/L | 94 |
| 16) Methylene chloride | 4.41 | 84 | 227335 | 4.484 | ug/L | 98 |
| 17) Methyl tert-butyl Ether | 4.89 | 73 | 235266 | 4.273 | ug/L | 99 |
| 18) trans-1,2-Dichloroethene | 4.89 | 96 | 249221 | 5.299 | ug/L | 94 |
| 19) 1,1-Dichloroethane | 5.70 | 63 | 444708 | 5.190 | ug/L | 97 |
| 21) 2-Butanone | 6.69 | 43 | 222186 | 45.314 | ug/L | 98 |
| 22) cis-1,2-Dichloroethene | 6.68 | 96 | 228240 | 5.435 | ug/L | 98 |
| 23) Bromochloromethane | 7.05 | 128 | 62369 | 4.776 | ug/L | 94 |
| 25) Chloroform | 7.23 | 83 | 422205 | 4.463 | ug/L | 97 |
| 27) 1,2-Dichloroethane | 7.99 | 62 | 183587 | 4.724 | ug/L | 99 |
| 29) 1,1,1-Trichloroethane | 7.43 | 97 | 420599 | 6.019 | ug/L | 98 |
| 30) Cyclohexane | 7.52 | 56 | 407997 | 6.798 | ug/L | 98 |
| 31) Carbon tetrachloride | 7.64 | 117 | 377873 | 6.033 | ug/L | 100 |
| 33) Benzene | 7.91 | 78 | 1004977 | 5.495 | ug/L | 100 |
| 34) Trichloroethene | 8.71 | 95 | 260806 | 5.486 | ug/L | 96 |
| 35) Methylcyclohexane | 8.96 | 83 | 420869 | 6.558 | ug/L | 99 |
| 37) 1,2-Dichloropropane | 9.00 | 63 | 202025 | 5.285 | ug/L | 100 |
| 38) Bromodichloromethane | 9.28 | 83 | 225519 | 4.995 | ug/L | 97 |
| 39) cis-1,3-Dichloropropene | 9.72 | 75 | 236362 | 5.502 | ug/L | 97 |
| 40) 4-Methyl-2-pentanone | 9.87 | 43 | 530488 | 48.495 | ug/L | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR121718\

Quantitation Report (Not Reviewed)

Data File : VR026266.D
Acq On : 17 Dec 2018 15:37
Operator : SY/MD
Sample : VSTD00583
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** MSVOA_R
**ClientSampleId :** VSTD00583

Quant Time: Dec 17 16:42:52 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR121718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Dec 17 15:07:11 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) Toluene | 10.04 | 91 | 1073721 | 5.410 | ug/L | | 99 |
| 44) trans-1,3-Dichloropropene | 10.26 | 75 | 164604 | 5.657 | ug/L | | 97 |
| 45) 1,1,2-Trichloroethane | 10.45 | 97 | 82190 | 4.836 | ug/L | | 90 |
| 47) Tetrachloroethene | 10.51 | 164 | 202449 | 5.908 | ug/L | | 91 |
| 48) 2-Hexanone | 10.63 | 43 | 346627 | 47.344 | ug/L | | 100 |
| 49) Dibromochloromethane | 10.79 | 129 | 104828 | 5.129 | ug/L | | 97 |
| 50) 1,2-Dibromoethane | 10.89 | 107 | 69806 | 4.895 | ug/L | # | 94 |
| 51) Chlorobenzene | 11.32 | 112 | 578624 | 5.247 | ug/L | | 99 |
| 52) Ethylbenzene | 11.39 | 91 | 1233246 | 5.621 | ug/L | | 98 |
| 53) m,p-Xylene | 11.50 | 106 | 459862 | 5.759 | ug/L | | 96 |
| 54) o-Xylene | 11.83 | 106 | 405096 | 5.599 | ug/L | | 92 |
| 55) Styrene | 11.84 | 104 | 609515 | 5.289 | ug/L | | 98 |
| 56) Isopropylbenzene | 12.13 | 105 | 1208518 | 6.013 | ug/L | | 98 |
| 58) 1,1,2,2-Tetrachloroethane | 12.39 | 83 | 73127 | 4.497 | ug/L | # | 91 |
| 59) 1,2,3-Trichloropropane | 12.43 | 75 | 58117 | 4.887 | ug/L | | 96 |
| 61) Bromoform | 12.01 | 173 | 40918 | 5.037 | ug/L | | 95 |
| 62) 1,3-Dichlorobenzene | 13.16 | 146 | 334248 | 5.087 | ug/L | | 97 |
| 63) 1,4-Dichlorobenzene | 13.24 | 146 | 349882 | 4.833 | ug/L | | 99 |
| 65) 1,2-Dichlorobenzene | 13.53 | 146 | 270785 | 5.001 | ug/L | | 96 |
| 66) 1,2-Dibromo-3-chloropropan | 14.15 | 75 | 8233 | 4.077 | ug/L | | 97 |
| 67) 1,3,5-Trichlorobenzene | 14.29 | 180 | 212844 | 5.188 | ug/L | | 97 |
| 68) 1,2,4-trichlorobenzene | 14.79 | 180 | 114690 | 5.036 | ug/L | | 99 |
| 69) Naphthalene | 15.00 | 128 | 103786 | 4.663 | ug/L | | 98 |
| 70) 1,2,3-Trichlorobenzene | 15.18 | 180 | 83142 | 4.921 | ug/L | | 97 |

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

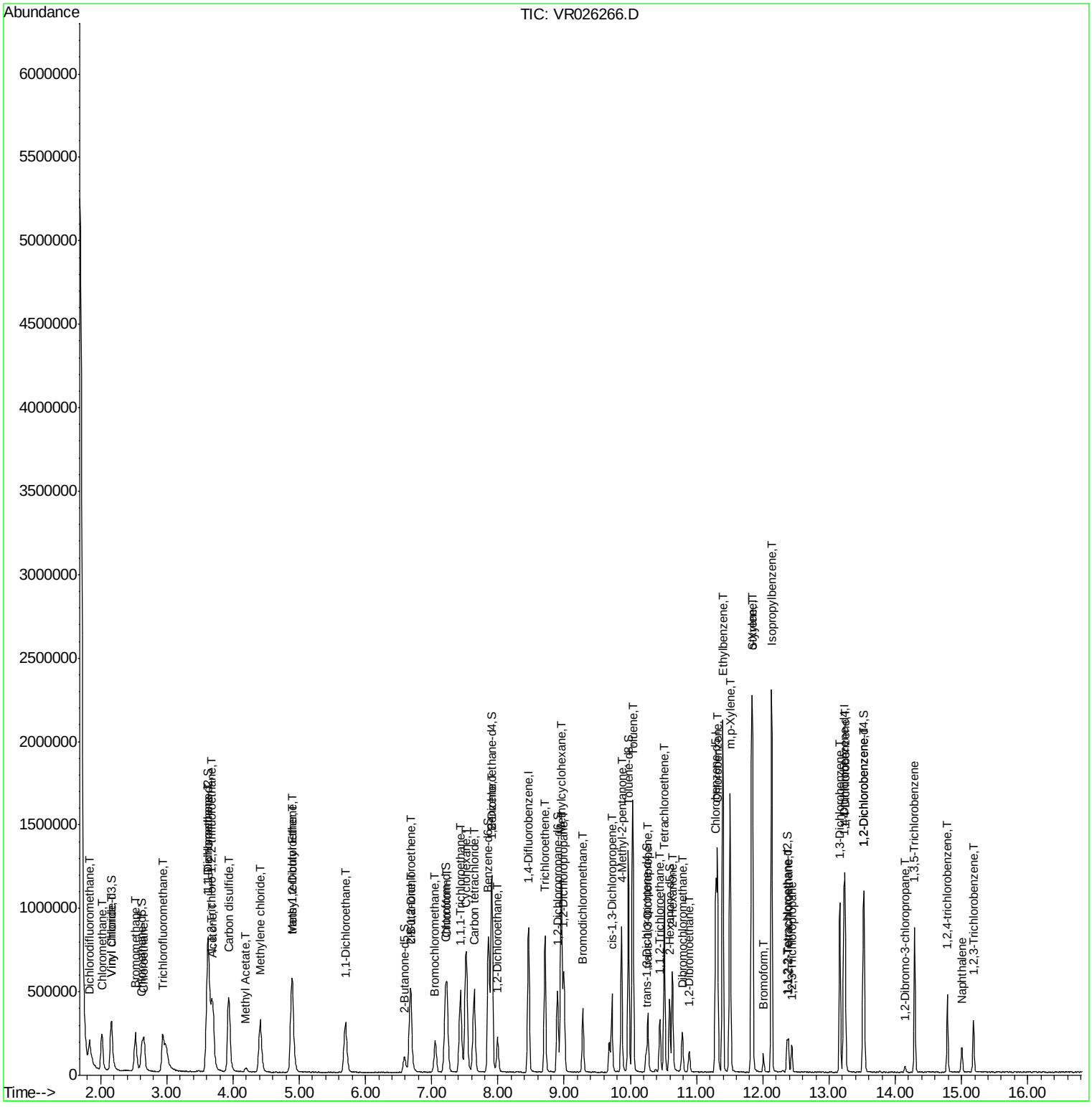
Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR121718\

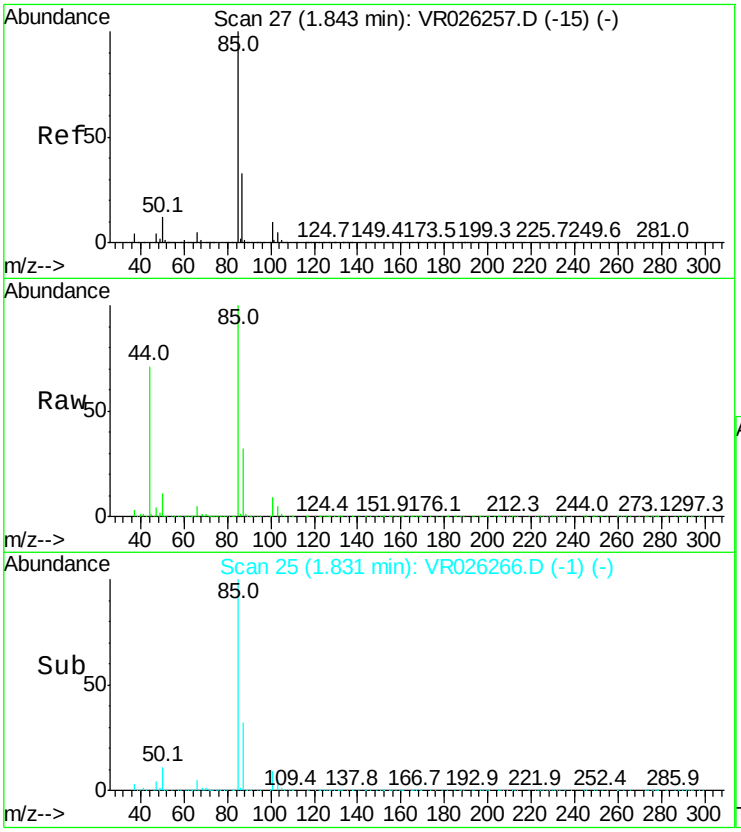
Quantitation Report (Not Reviewed)

Data File : VR026266.D
Acq On : 17 Dec 2018 15:37
Operator : SY/MD
Sample : VSTD00583
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_R
**ClientSampleId :**
VSTD00583

Quant Time: Dec 17 16:42:52 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR121718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Dec 17 15:07:11 2018
Response via : Initial Calibration



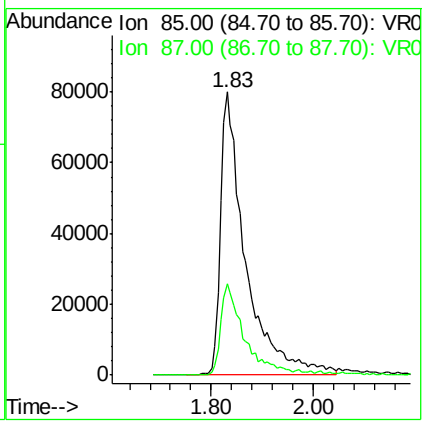


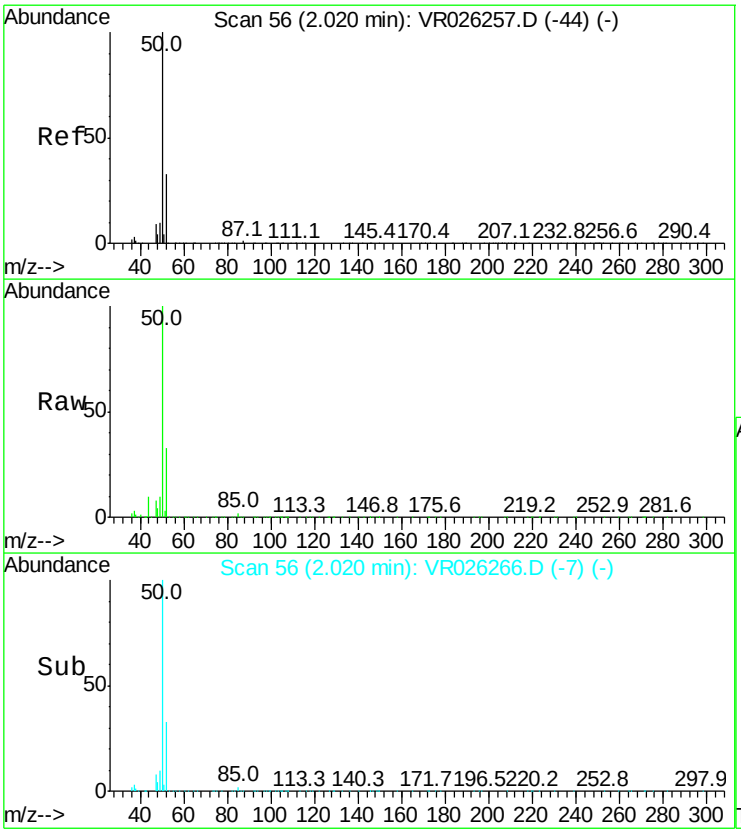

#2
Dichlorodifluoromethane
Concen: 6.336 ug/L
RT: 1.83 min Scan# 25
Delta R.T. -0.01 min
Lab File: VR026266.D
Acq: 17 Dec 2018 15:37

**Instrument :**
MSVOA_R
**ClientSampleId :**
VSTD00583

Tgt Ion: 85 Resp: 270797

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 29.7 | 25.6 | 38.4 |

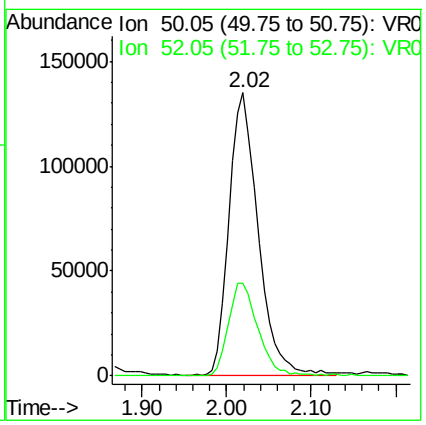


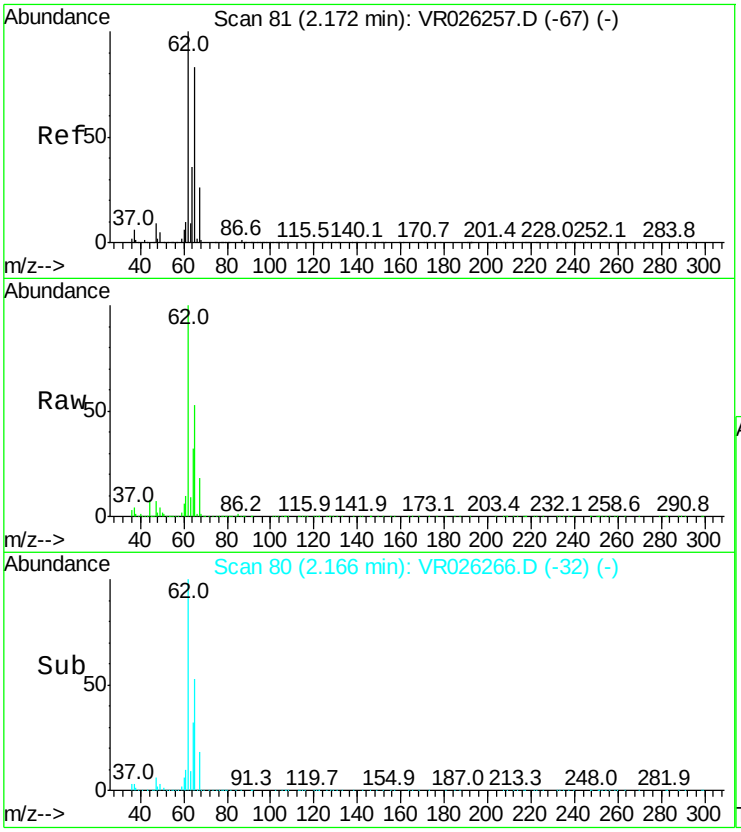




#3
Chloromethane
Concen: 5.338 ug/L
RT: 2.02 min Scan# 56
Delta R.T. 0.00 min
Lab File: VR026266.D
Acq: 17 Dec 2018 15:37

Tgt Ion: 50 Resp: 314461

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.6 | 23.0 | 42.8 |



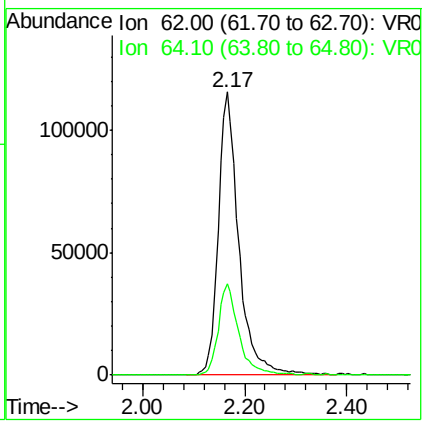


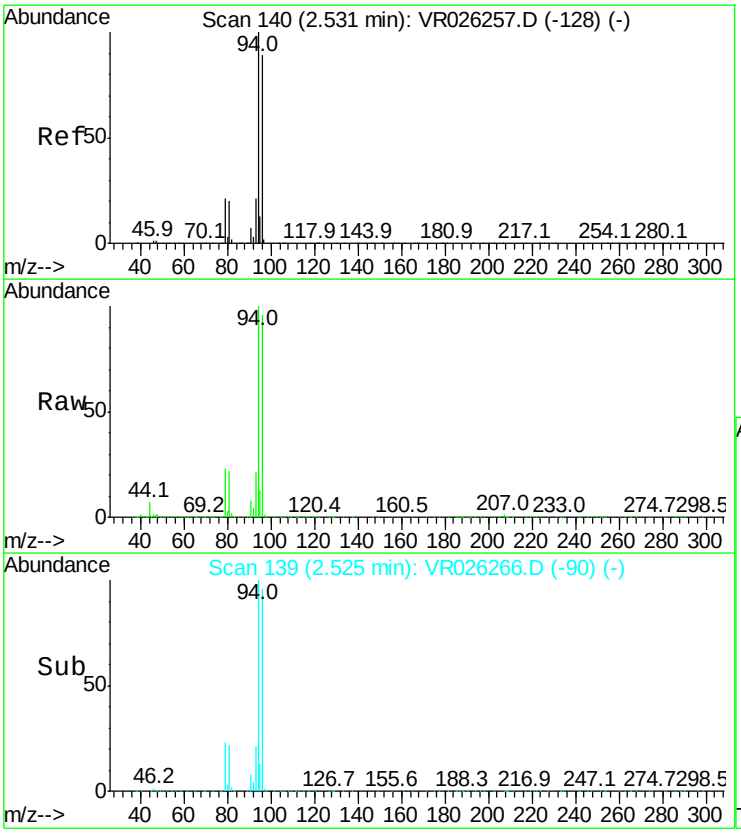

#5
Vinyl chloride
Concen: 5.516 ug/L
RT: 2.17 min Scan# 80
Delta R.T. -0.01 min
Lab File: VR026266.D
Acq: 17 Dec 2018 15:37

**Instrument :**
MSVOA_R
**ClientSampleId :**
VSTD00583

Tgt Ion: 62 Resp: 321302

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.4 | 25.1 | 46.7 |

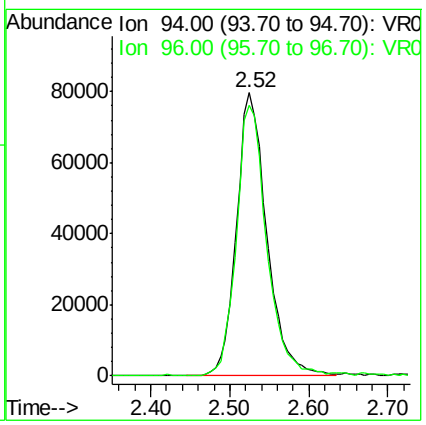


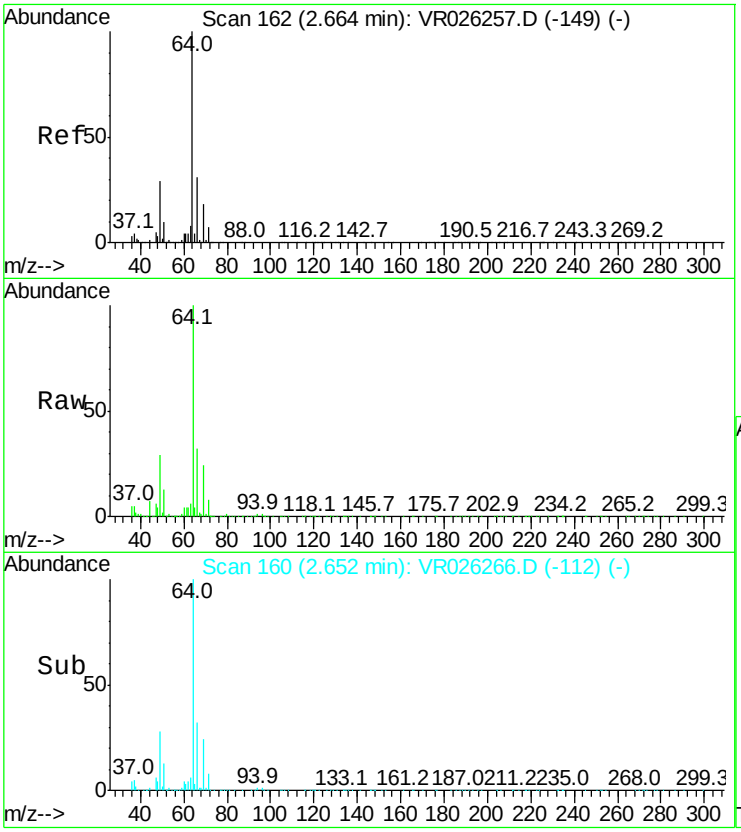




#6
Bromomethane
Concen: 5.454 ug/L
RT: 2.52 min Scan# 139
Delta R.T. 0.00 min
Lab File: VR026266.D
Acq: 17 Dec 2018 15:37

Tgt Ion: 94 Resp: 212571

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 95.8 | 62.4 | 115.8 |



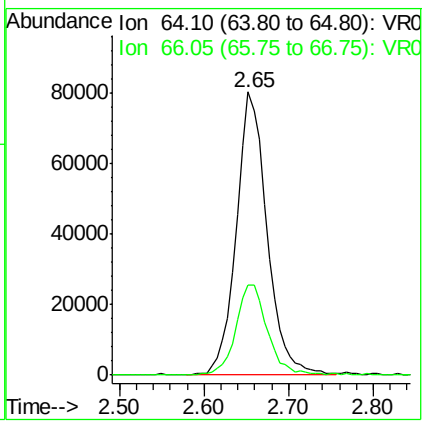


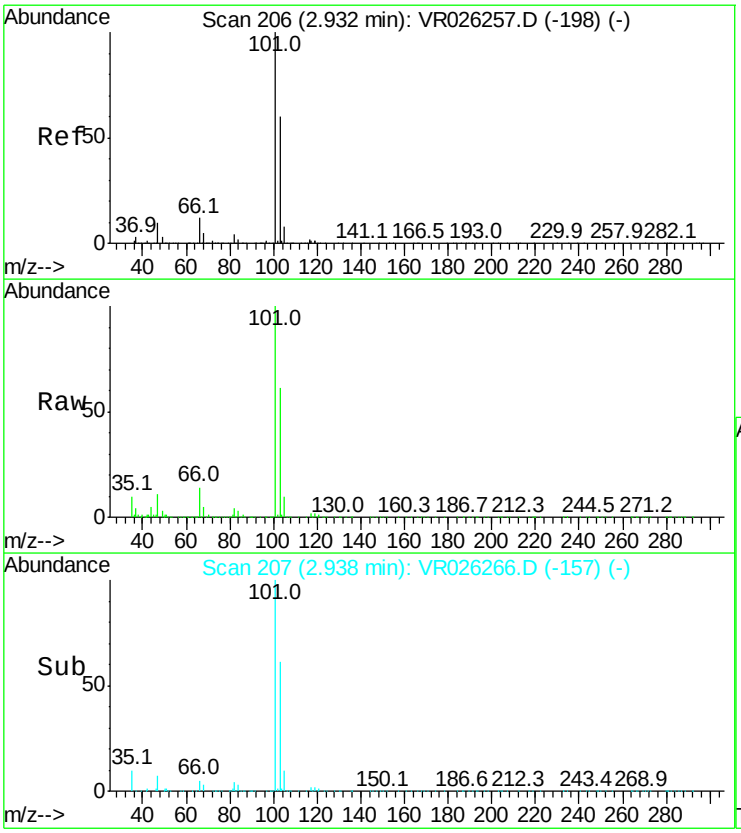

#8
Chloroethane
Concen: 5.405 ug/L
RT: 2.65 min Scan# 160
Delta R.T. -0.01 min
Lab File: VR026266.D
Acq: 17 Dec 2018 15:37

**Instrument :**
MSVOA_R
**ClientSampleId :**
VSTD00583

Tgt Ion: 64 Resp: 197235

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 31.7 | 21.9 | 40.7 |

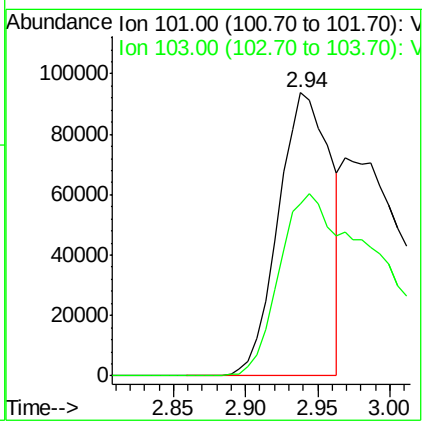


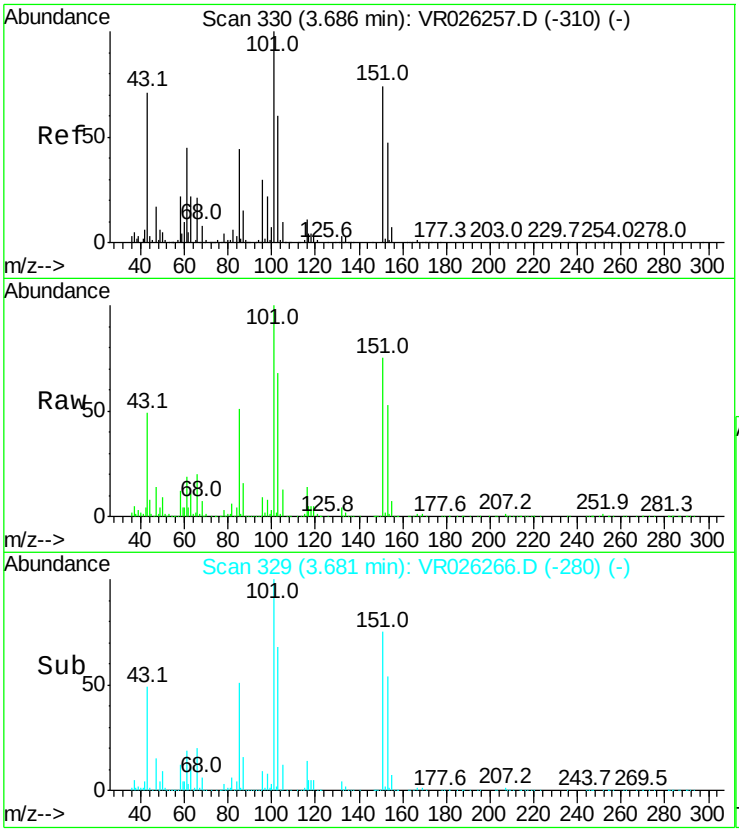




#9
Trichlorofluoromethane
Concen: 2.523 ug/L
RT: 2.94 min Scan# 207
Delta R.T. 0.01 min
Lab File: VR026266.D
Acq: 17 Dec 2018 15:37

Tgt Ion:101 Resp: 237296

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 139.6 | 18.3 | 27.5# |



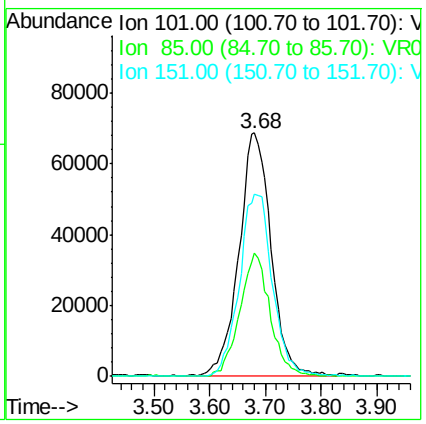


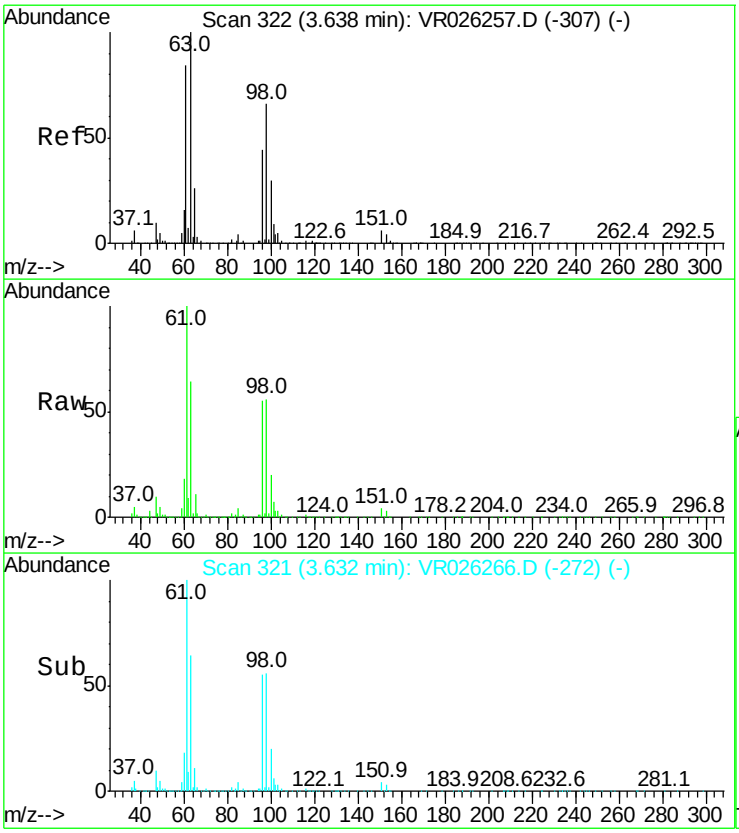

#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.356 ug/L
RT: 3.68 min Scan# 329
Delta R.T. 0.00 min
Lab File: VR026266.D
Acq: 17 Dec 2018 15:37

**Instrument :**
MSVOA_R
**ClientSampleId :**
VSTD00583

Tgt Ion:101 Resp: 275338

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 47.7 | 37.0 | 55.6 |
| 151 | 77.1 | 61.1 | 91.7 |

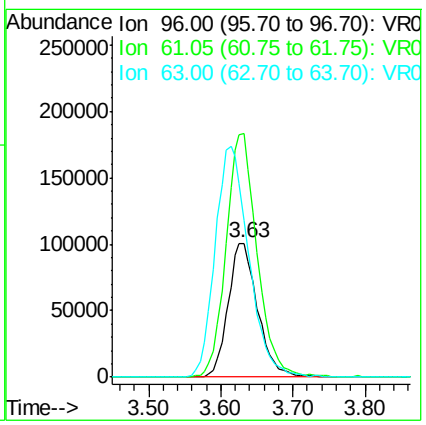


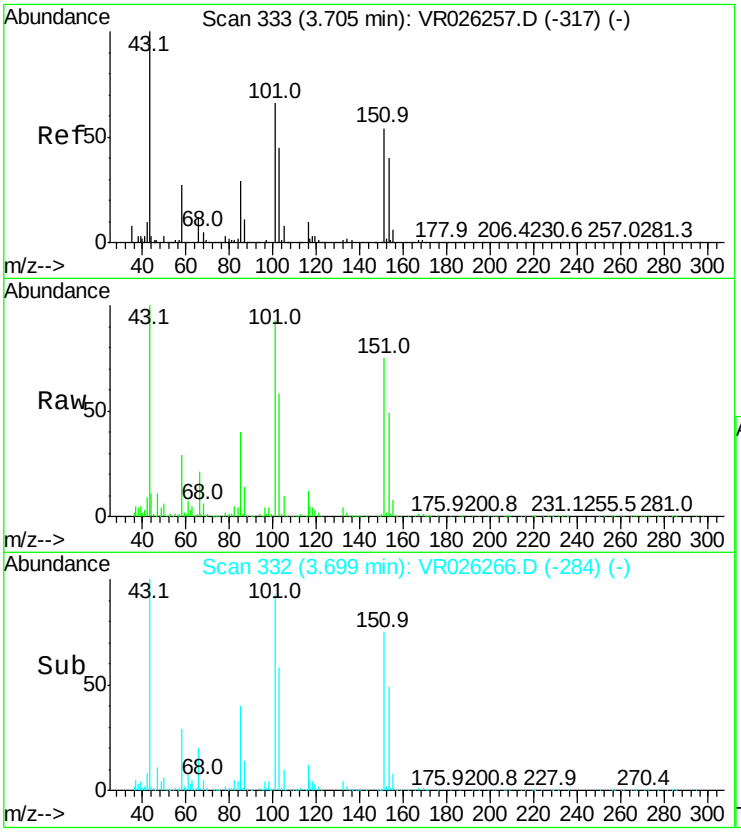




#12
1,1-Dichloroethene
Concen: 5.166 ug/L
RT: 3.63 min Scan# 321
Delta R.T. 0.00 min
Lab File: VR026266.D
Acq: 17 Dec 2018 15:37

Tgt Ion: 96 Resp: 287050

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 181.5 | 135.5 | 251.7 |
| 63 | 116.5 | 160.5 | 298.1# |



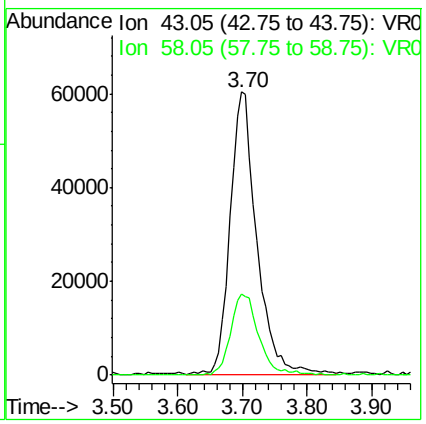


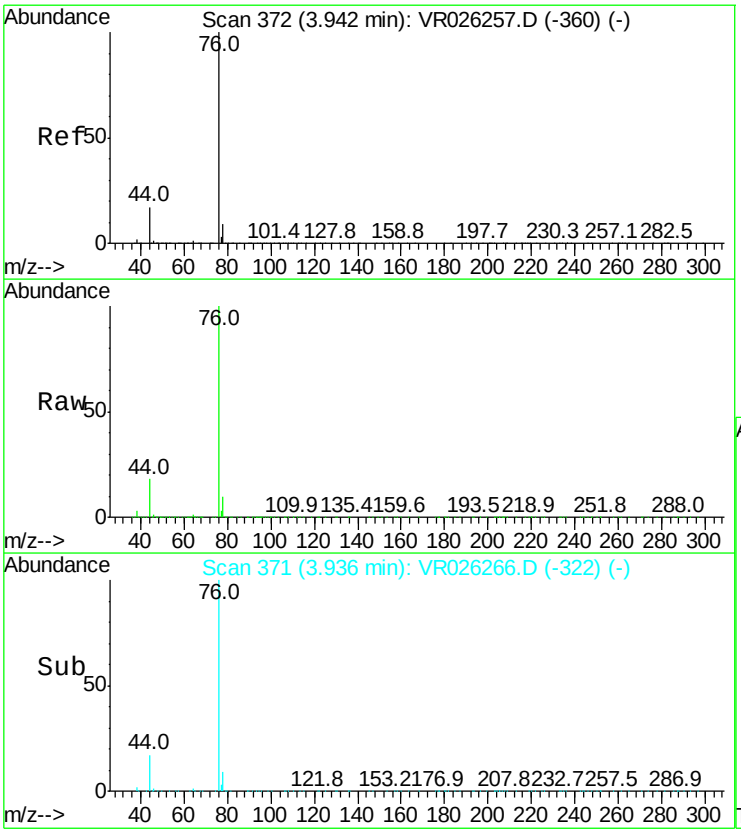

#13
Acetone
Concen: 44.876 ug/L
RT: 3.70 min Scan# 332
Delta R.T. -0.01 min
Lab File: VR026266.D
Acq: 17 Dec 2018 15:37

**Instrument :**
MSVOA_R
**ClientSampleId :**
VSTD00583

Tgt Ion: 43 Resp: 172457

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 30.4 | 0.0 | 57.0 |

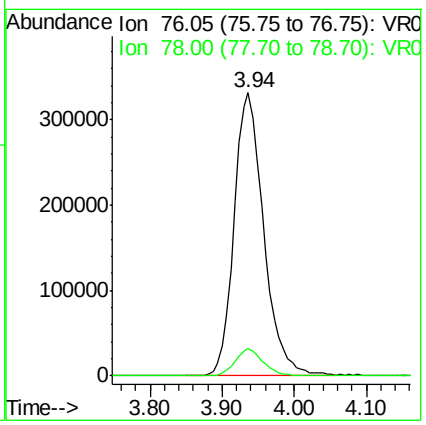


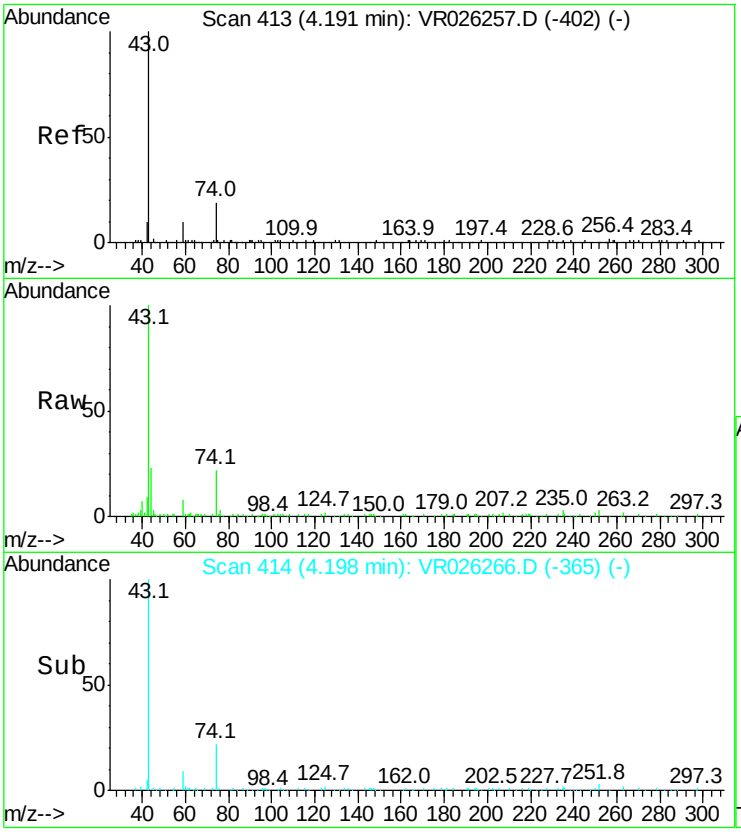




#14
Carbon disulfide
Concen: 6.751 ug/L
RT: 3.94 min Scan# 371
Delta R.T. 0.00 min
Lab File: VR026266.D
Acq: 17 Dec 2018 15:37

Tgt Ion: 76 Resp: 946268

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.5 | 7.7 | 11.5 |



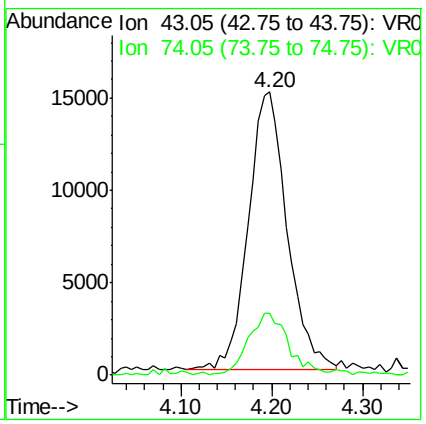


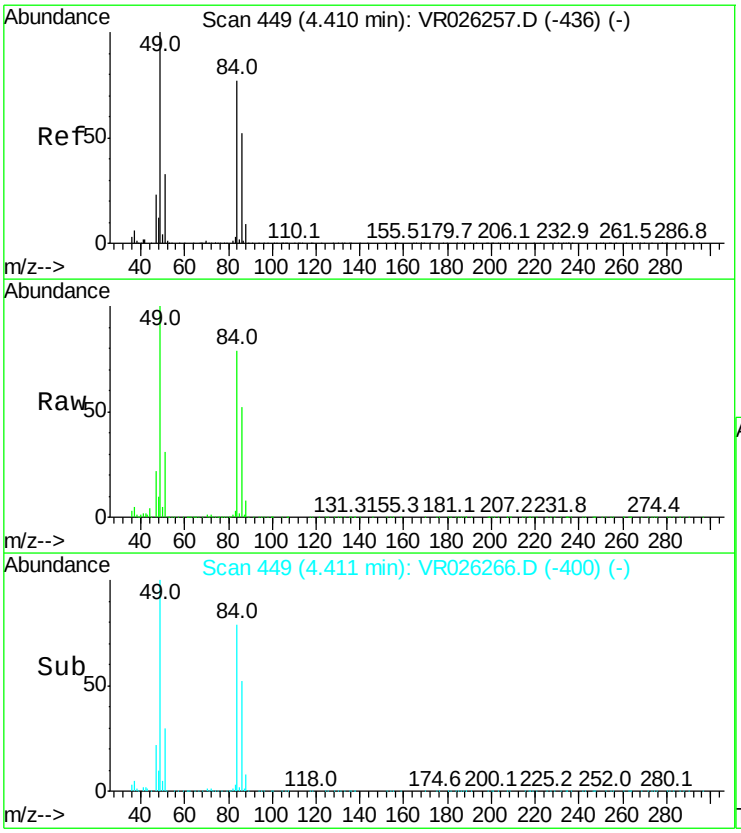

#15
Methyl Acetate
Concen: 4.258 ug/L
RT: 4.20 min Scan# 414
Delta R.T. 0.00 min
Lab File: VR026266.D
Acq: 17 Dec 2018 15:37

**Instrument :**
MSVOA_R
**ClientSampleId :**
VSTD00583

Tgt Ion: 43 Resp: 44277

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.0 | 21.0 | 31.4 |

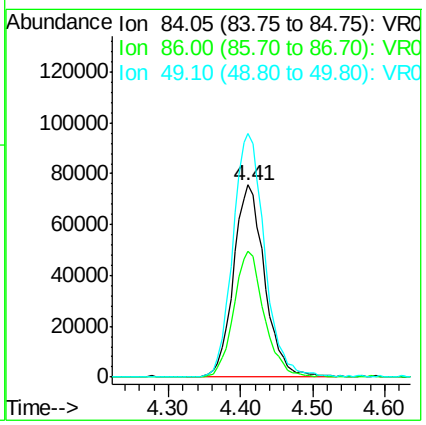


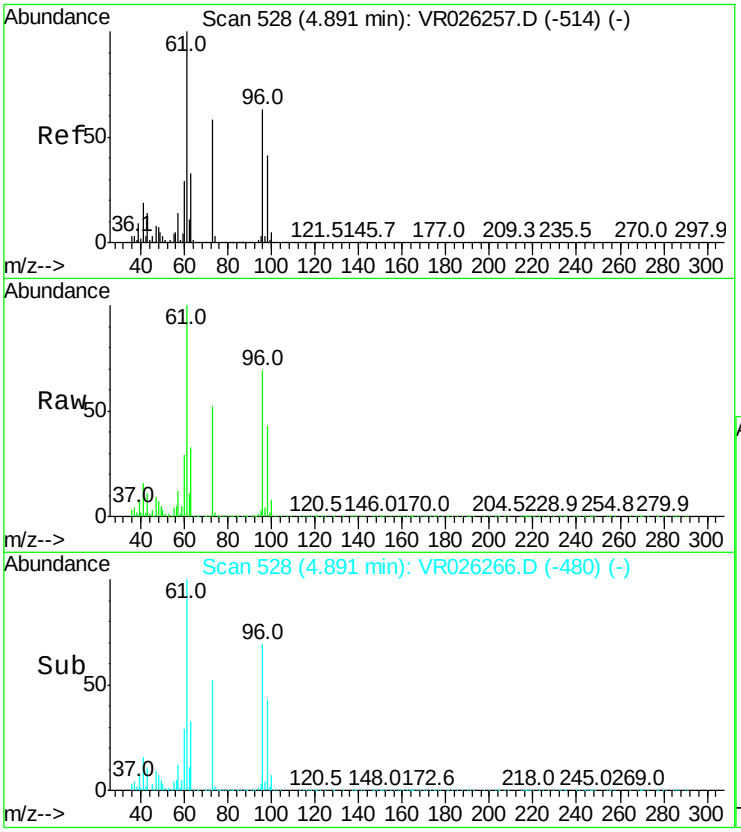




#16
Methylene chloride
Concen: 4.484 ug/L
RT: 4.41 min Scan# 449
Delta R.T. 0.00 min
Lab File: VR026266.D
Acq: 17 Dec 2018 15:37

Tgt Ion: 84 Resp: 227335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 65.4 | 46.8 | 87.0 |
| 49 | 126.7 | 90.8 | 168.6 |



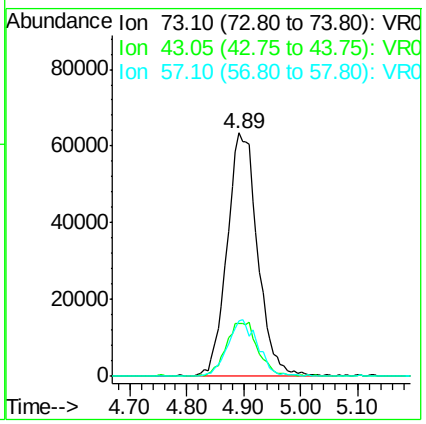


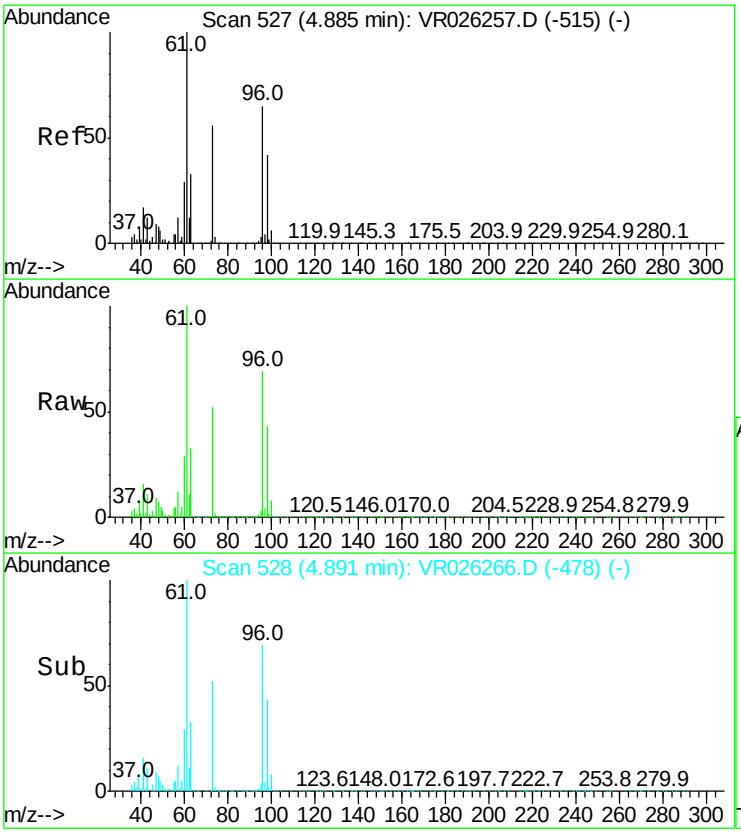

#17
Methyl tert-butyl Ether
Concen: 4.273 ug/L
RT: 4.89 min Scan# 528
Delta R.T. -0.01 min
Lab File: VR026266.D
Acq: 17 Dec 2018 15:37

**Instrument :** MSVOA_R
**ClientSampleId :** VSTD00583

Tgt Ion: 73 Resp: 235266

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 43 | 23.4 | 19.0 | 28.6 |
| 57 | 22.7 | 18.6 | 28.0 |

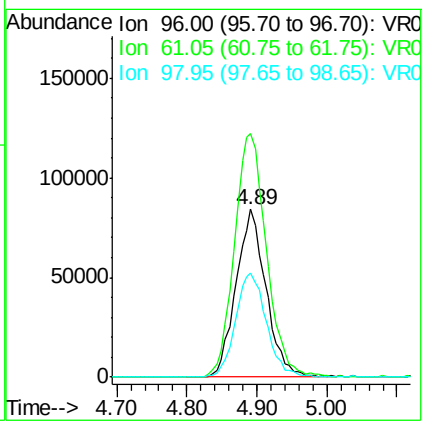


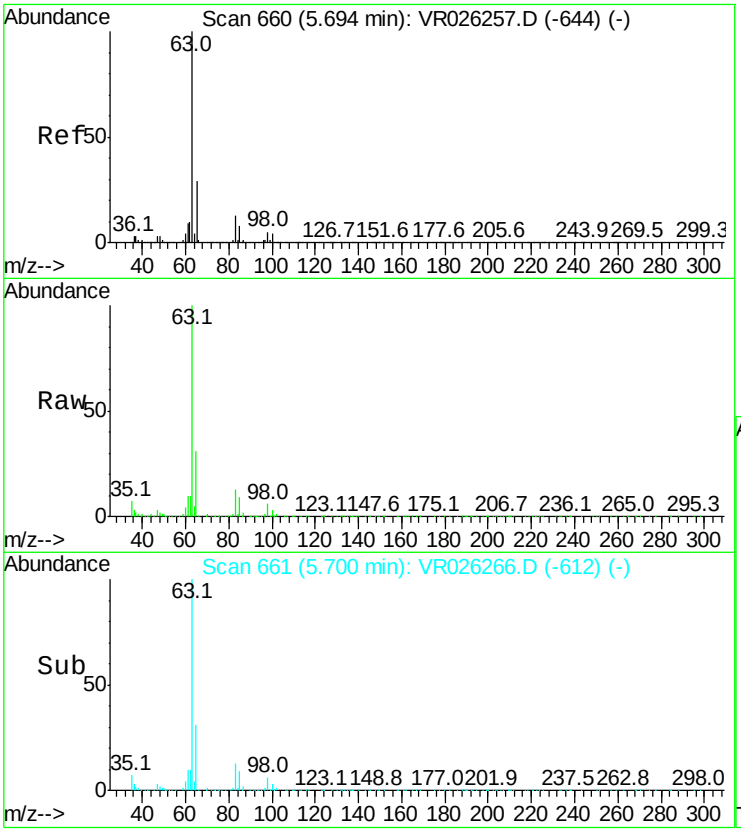




#18
trans-1,2-Dichloroethene
Concen: 5.299 ug/L
RT: 4.89 min Scan# 528
Delta R.T. 0.01 min
Lab File: VR026266.D
Acq: 17 Dec 2018 15:37

Tgt Ion: 96 Resp: 249221

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 144.9 | 108.4 | 201.4 |
| 98 | 61.9 | 45.2 | 84.0 |



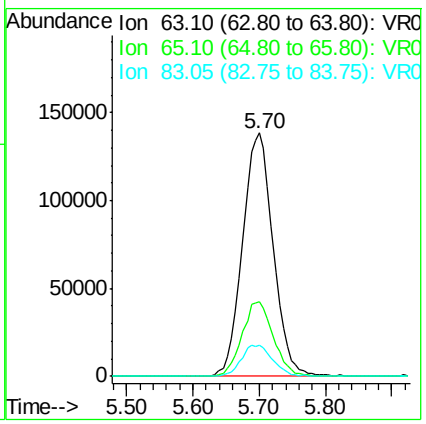


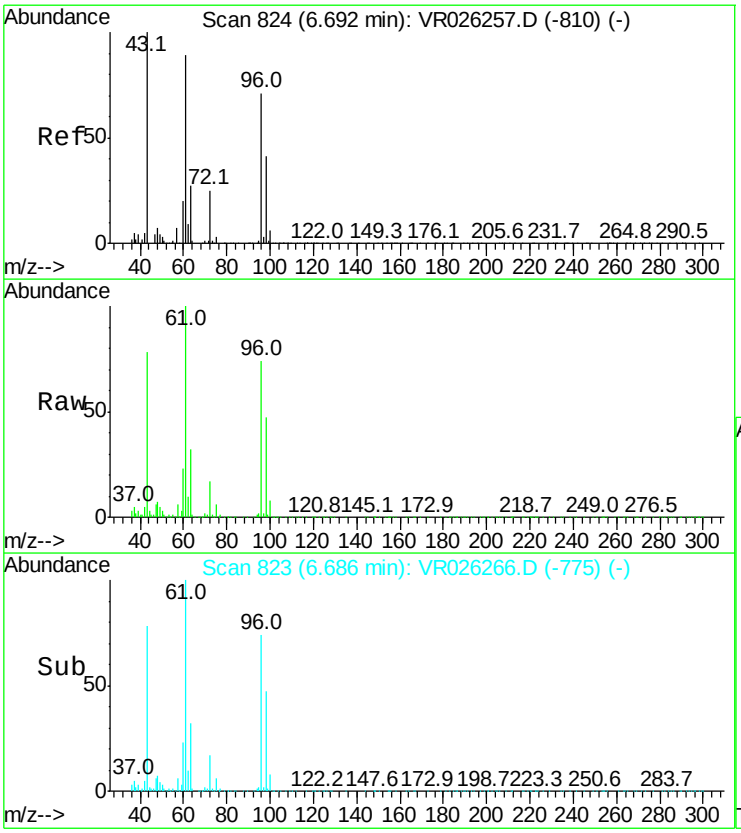

#19
1,1-Dichloroethane
Concen: 5.190 ug/L
RT: 5.70 min Scan# 661
Delta R.T. 0.00 min
Lab File: VR026266.D
Acq: 17 Dec 2018 15:37

**Instrument :**
MSVOA_R
**ClientSampleId :**
VSTD00583

Tgt Ion: 63 Resp: 444708

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.8 | 20.0 | 37.2 |
| 83 | 12.9 | 8.9 | 16.5 |

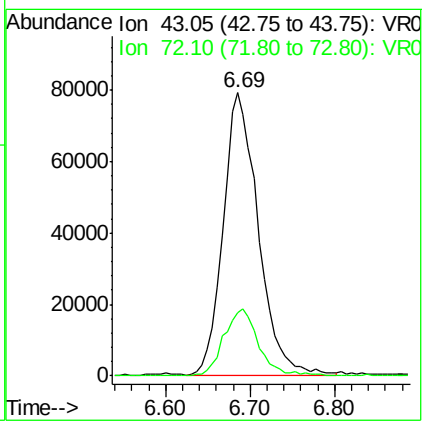


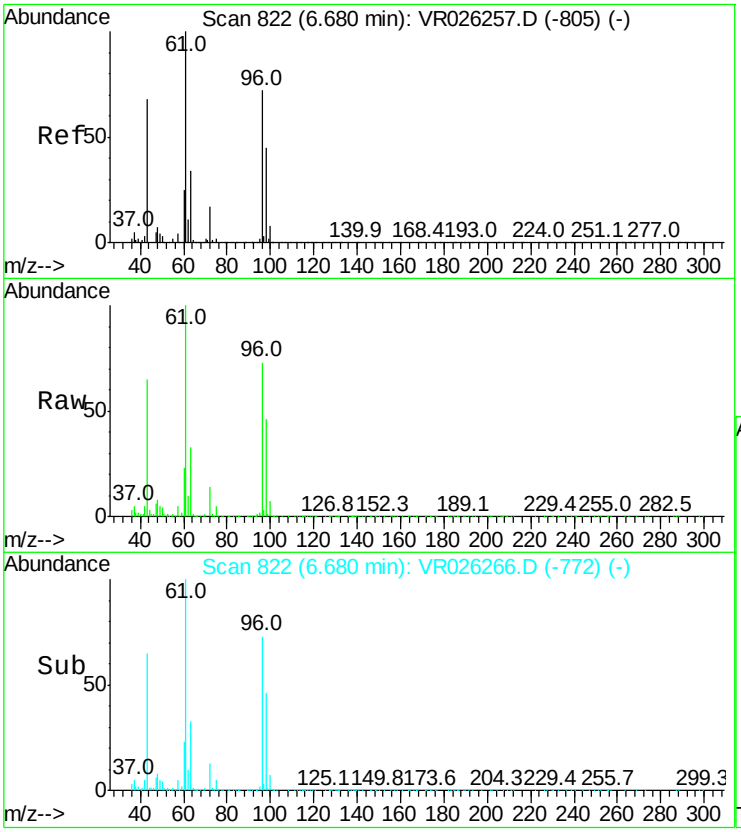




#21
2-Butanone
Concen: 45.314 ug/L
RT: 6.69 min Scan# 823
Delta R.T. -0.01 min
Lab File: VR026266.D
Acq: 17 Dec 2018 15:37

Tgt Ion: 43 Resp: 222186

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 23.7 | 12.3 | 36.8 |



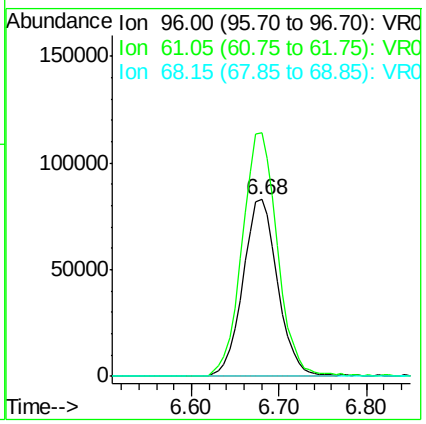


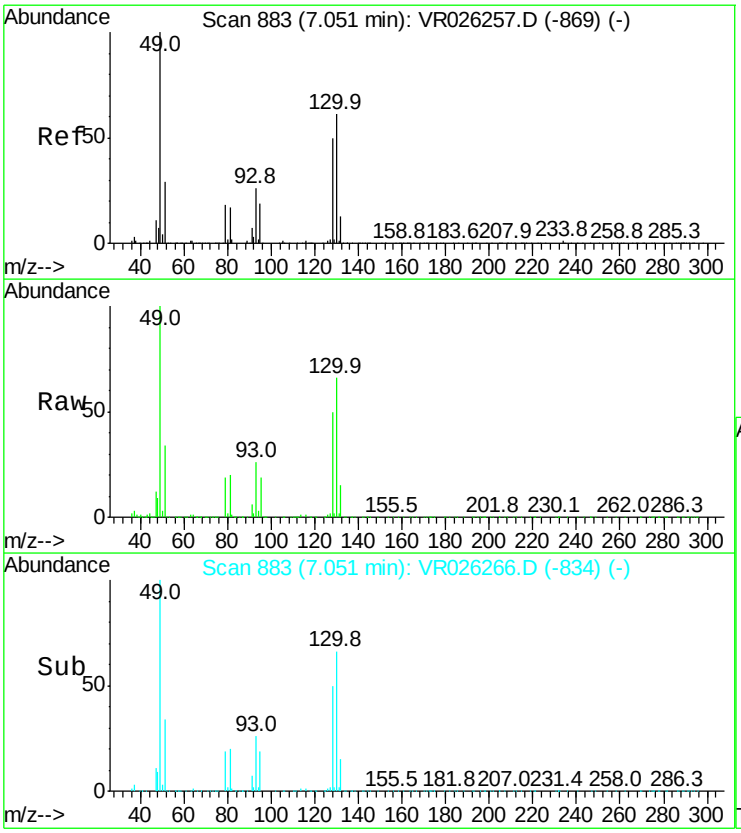

#22
cis-1,2-Dichloroethene
Concen: 5.435 ug/L
RT: 6.68 min Scan# 822
Delta R.T. 0.01 min
Lab File: VR026266.D
Acq: 17 Dec 2018 15:37

**Instrument :**
MSVOA_R
**ClientSampleId :**
VSTD00583

Tgt Ion: 96 Resp: 228240

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 137.6 | 97.6 | 181.4 |
| 68 | 0.0 | 0.0 | 0.0 |

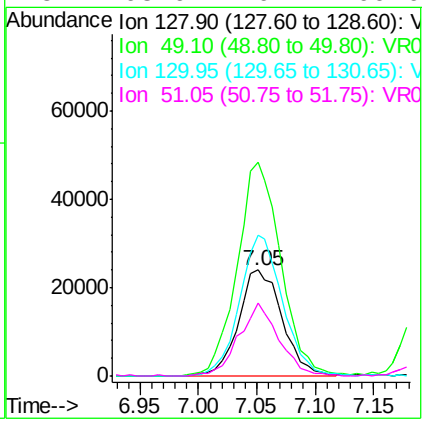


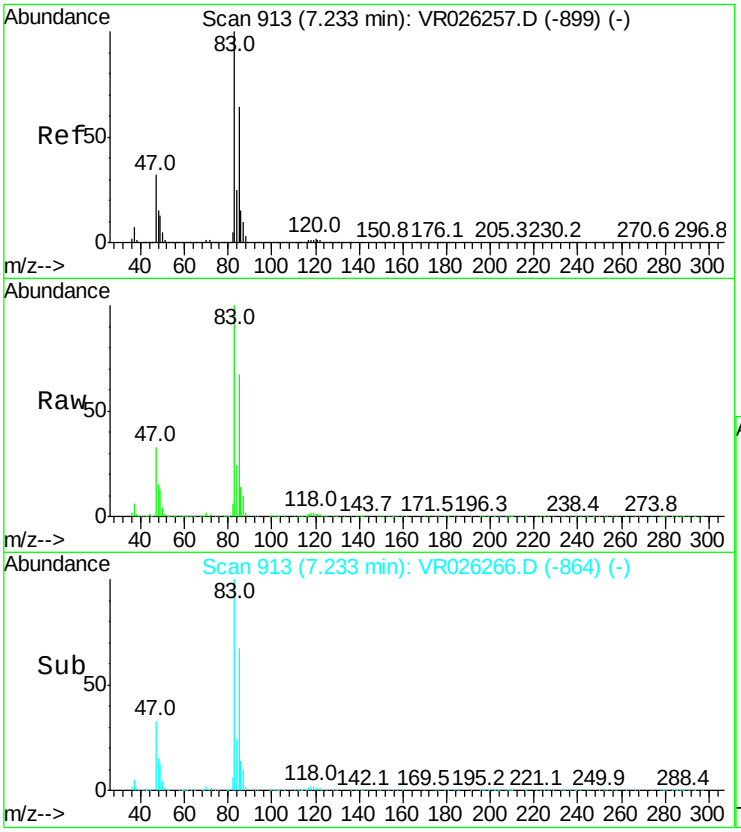




#23
Bromochloromethane
Concen: 4.776 ug/L
RT: 7.05 min Scan# 883
Delta R.T. 0.00 min
Lab File: VR026266.D
Acq: 17 Dec 2018 15:37

Tgt Ion:128 Resp: 62369

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 49 | 201.3 | 140.3 | 260.6 |
| 130 | 132.3 | 85.2 | 158.2 |
| 51 | 68.9 | 46.4 | 69.6 |



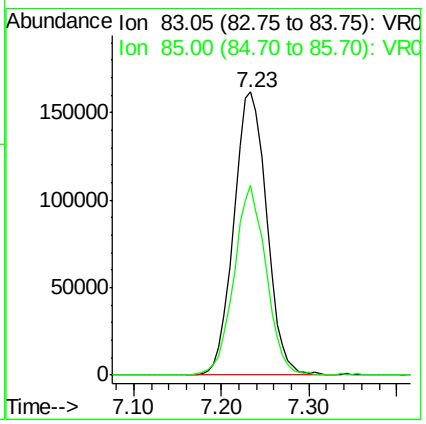


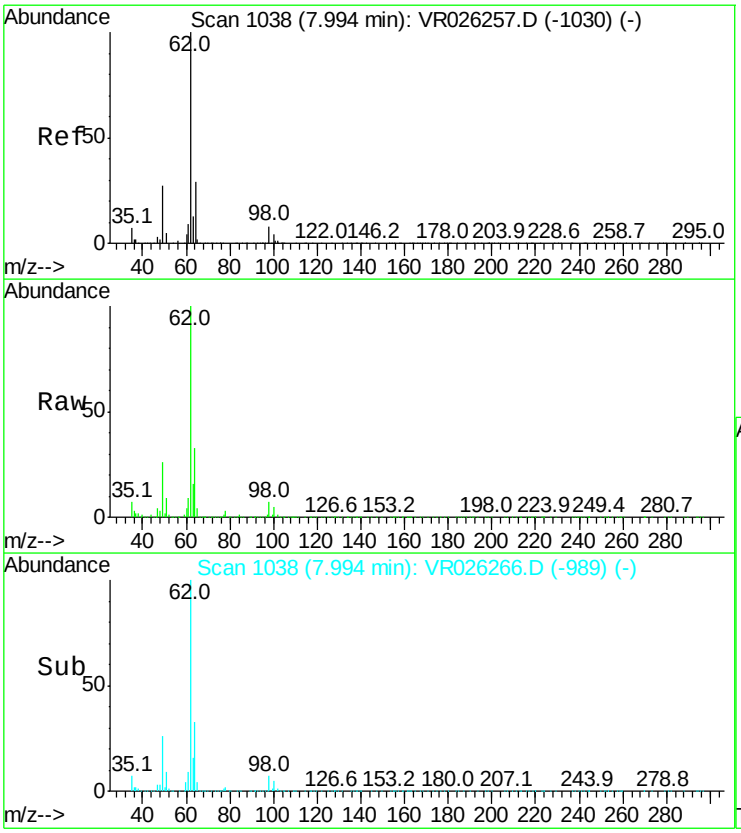

#25
Chloroform
Concen: 4.463 ug/L
RT: 7.23 min Scan# 913
Delta R.T. 0.00 min
Lab File: VR026266.D
Acq: 17 Dec 2018 15:37

**Instrument :**
MSVOA_R
**ClientSampleId :**
VSTD00583

Tgt Ion: 83 Resp: 422205

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 67.2 | 45.1 | 83.9 |

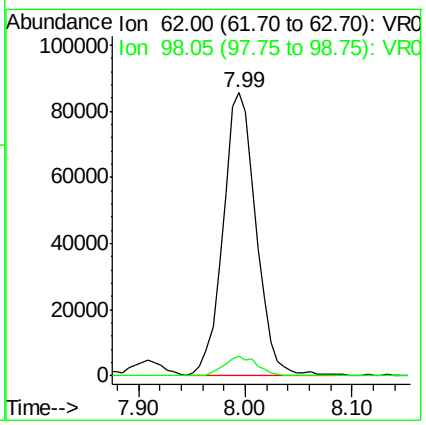


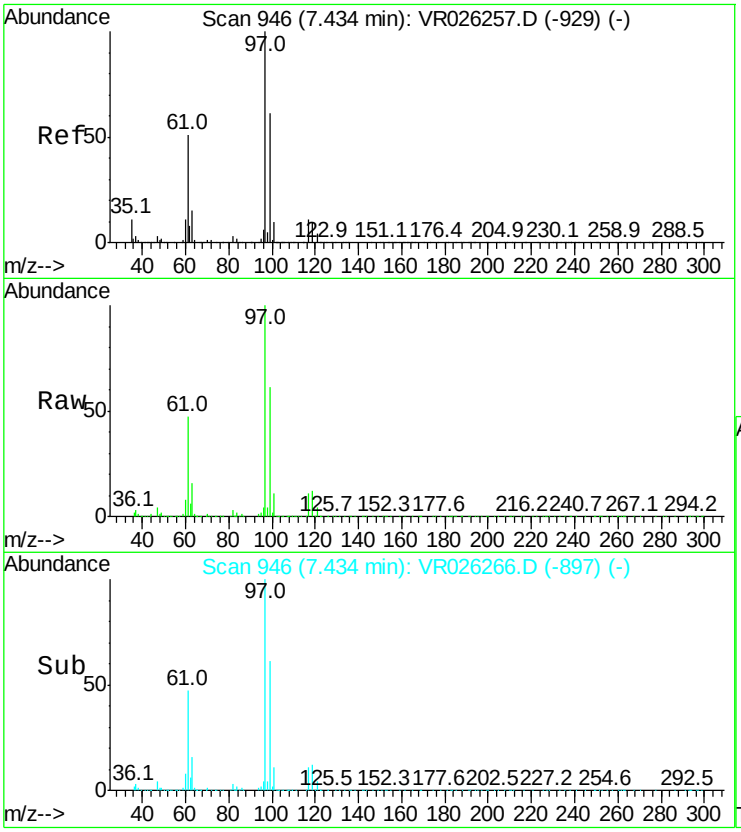




#27
1,2-Dichloroethane
Concen: 4.724 ug/L
RT: 7.99 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VR026266.D
Acq: 17 Dec 2018 15:37

Tgt Ion: 62 Resp: 183587

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 7.1 | 6.0 | 9.0 |



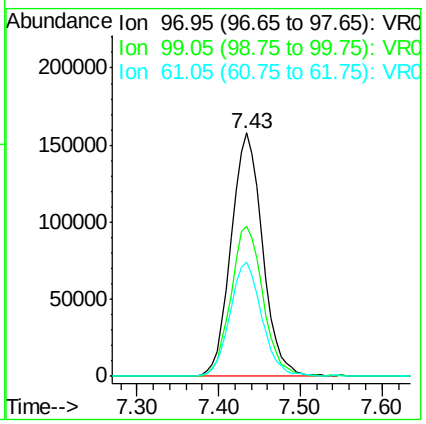


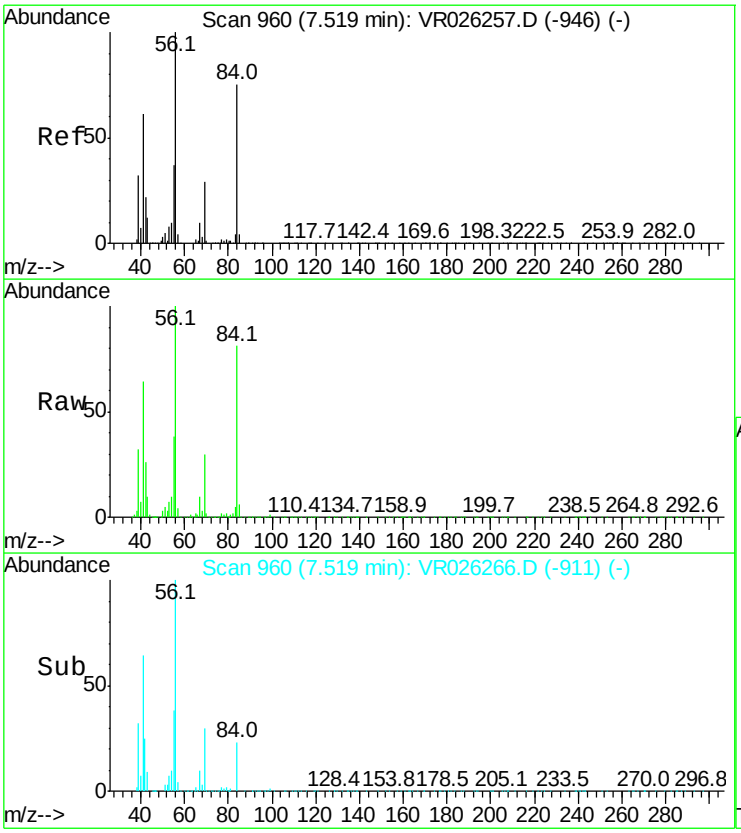

#29
1,1,1-Trichloroethane
Concen: 6.019 ug/L
RT: 7.43 min Scan# 946
Delta R.T. 0.00 min
Lab File: VR026266.D
Acq: 17 Dec 2018 15:37

**Instrument :**
MSVOA_R
**ClientSampleId :**
VSTD00583

Tgt Ion: 97 Resp: 420599

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 62.8 | 50.7 | 76.1 |
| 61 | 47.5 | 40.2 | 60.4 |

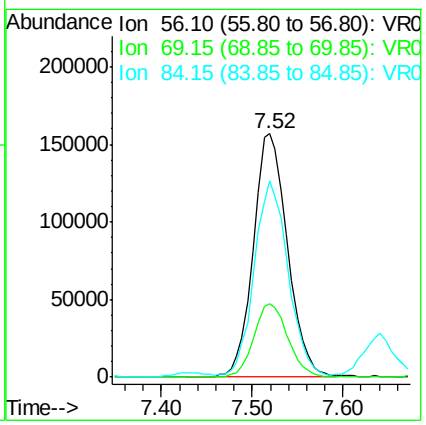


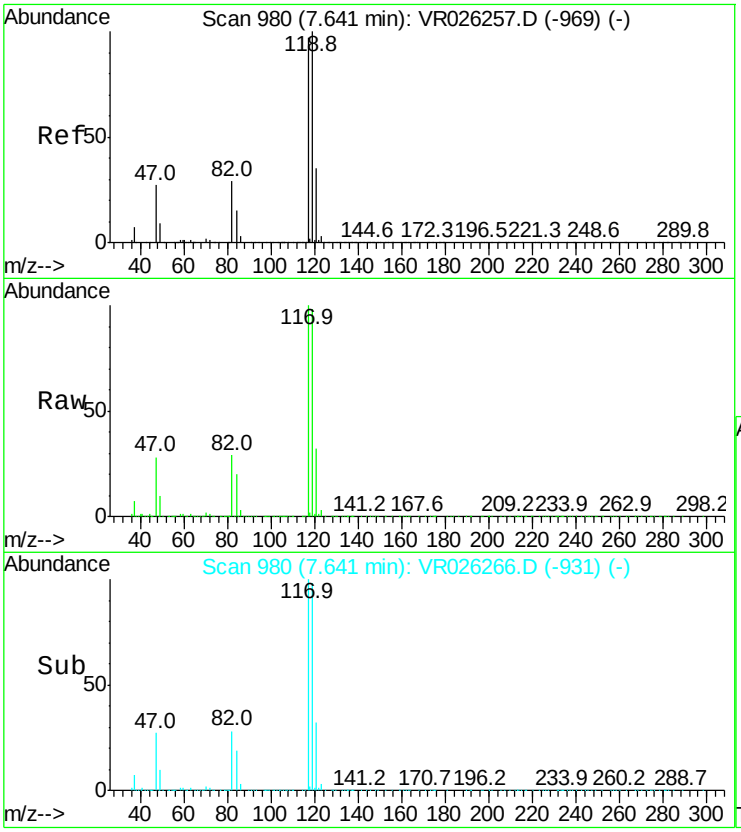




#30
Cyclohexane
Concen: 6.798 ug/L
RT: 7.52 min Scan# 960
Delta R.T. 0.00 min
Lab File: VR026266.D
Acq: 17 Dec 2018 15:37

Tgt Ion: 56 Resp: 407997

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 30.0 | 23.8 | 35.8 |
| 84 | 80.6 | 62.4 | 93.6 |



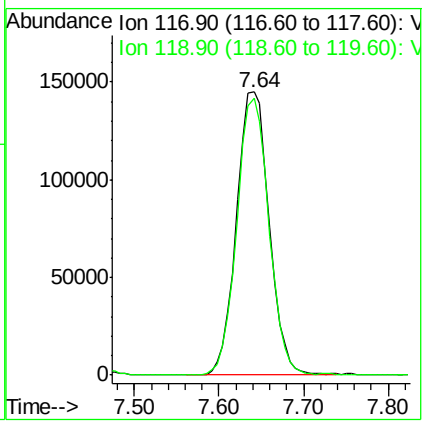


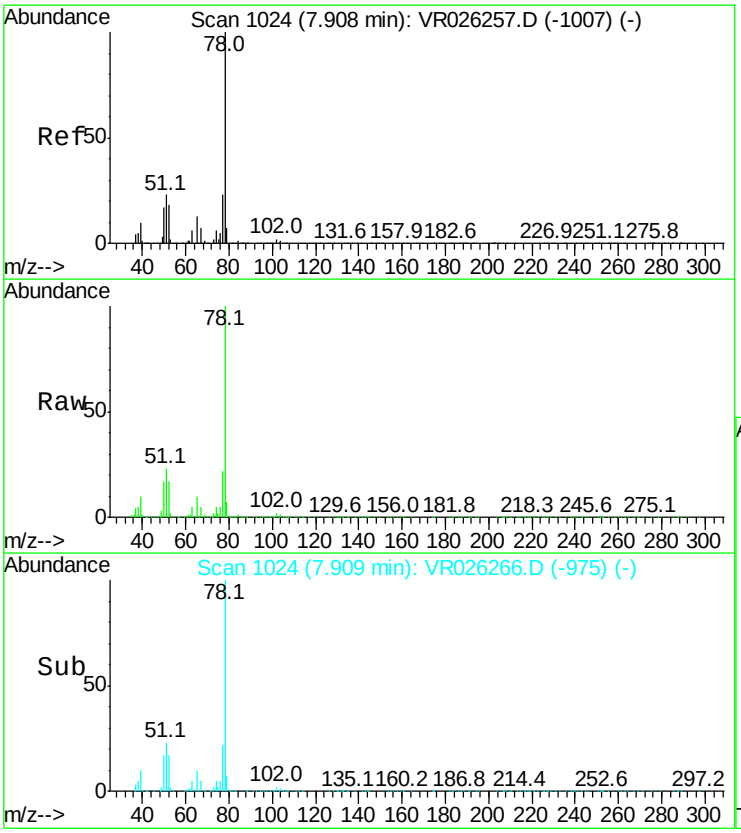

#31
Carbon tetrachloride
Concen: 6.033 ug/L
RT: 7.64 min Scan# 980
Delta R.T. 0.00 min
Lab File: VR026266.D
Acq: 17 Dec 2018 15:37

**Instrument :**
MSVOA_R
**ClientSampleId :**
VSTD00583

Tgt Ion:117 Resp: 377873

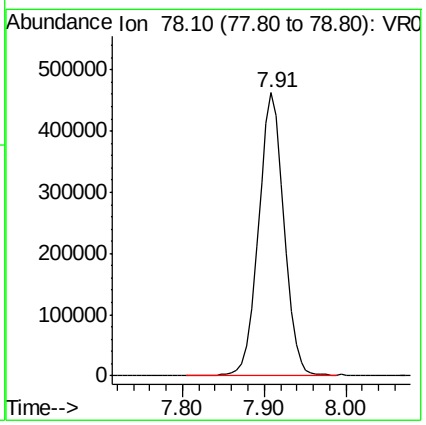
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.1 | 77.0 | 115.4 |

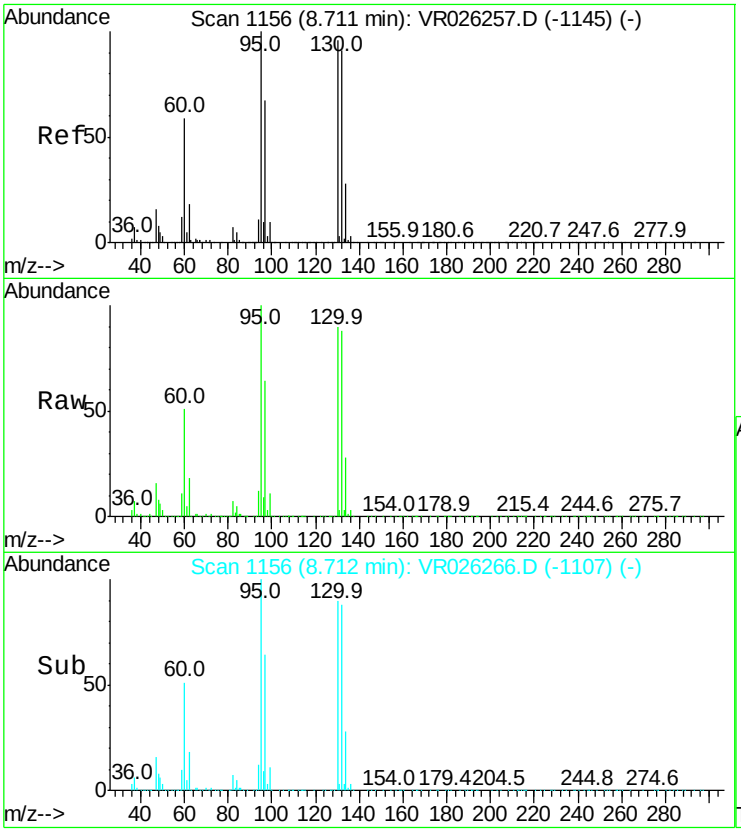



#33
Benzene
Concen: 5.495 ug/L
RT: 7.91 min Scan# 1024
Delta R.T. 0.00 min
Lab File: VR026266.D
Acq: 17 Dec 2018 15:37

Tgt Ion: 78 Resp: 1004977



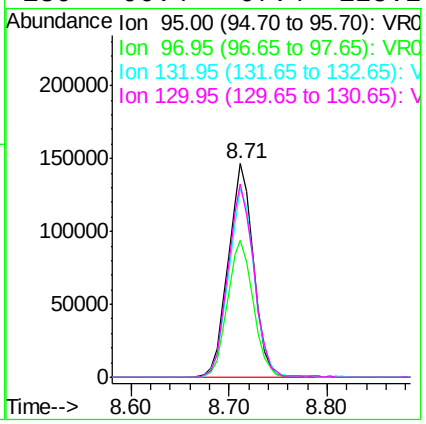


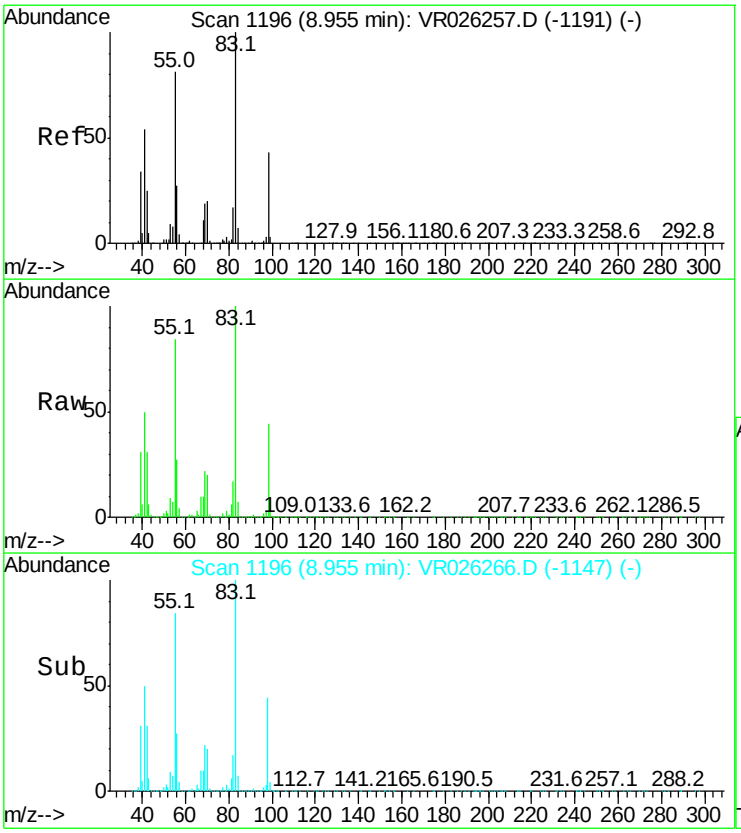

#34
Trichloroethene
Concen: 5.486 ug/L
RT: 8.71 min Scan# 1156
Delta R.T. 0.00 min
Lab File: VR026266.D
Acq: 17 Dec 2018 15:37

**Instrument :**
MSVOA_R
**ClientSampleId :**
VSTD00583

Tgt Ion: 95 Resp: 260806

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 64.0 | 46.8 | 87.0 |
| 132 | 88.1 | 63.9 | 118.7 |
| 130 | 90.4 | 67.4 | 125.2 |

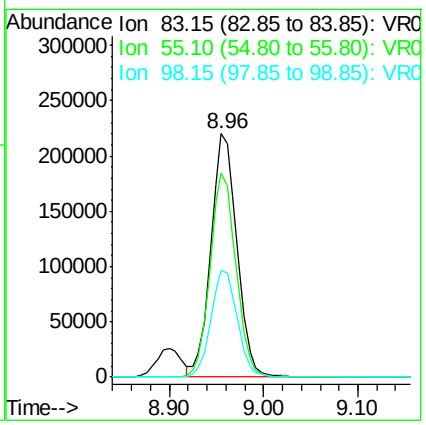


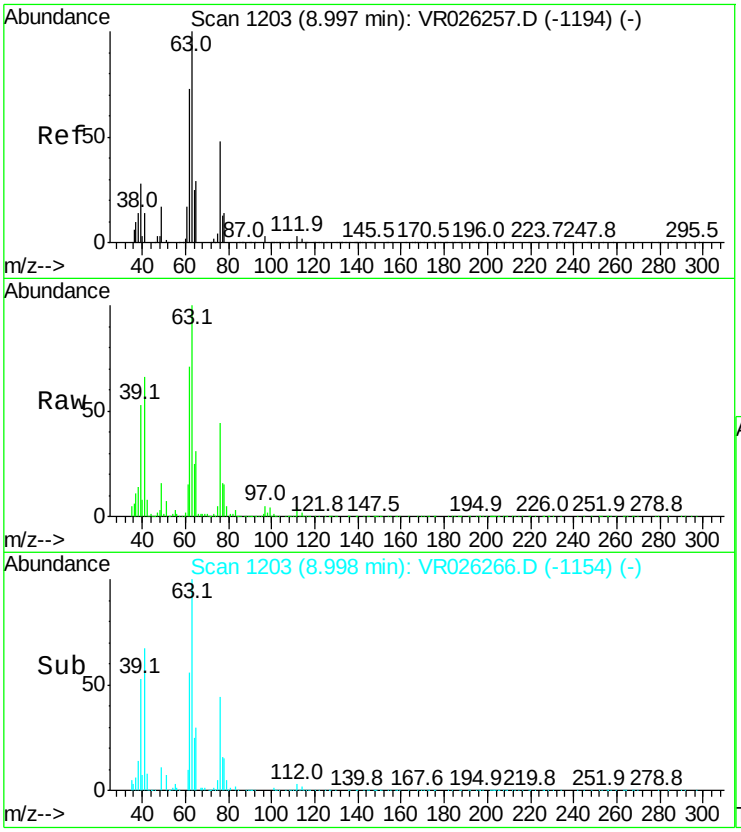




#35
Methylcyclohexane
Concen: 6.558 ug/L
RT: 8.96 min Scan# 1196
Delta R.T. 0.00 min
Lab File: VR026266.D
Acq: 17 Dec 2018 15:37

Tgt Ion: 83 Resp: 420869

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 83.2 | 66.8 | 100.2 |
| 98 | 44.4 | 34.8 | 52.2 |



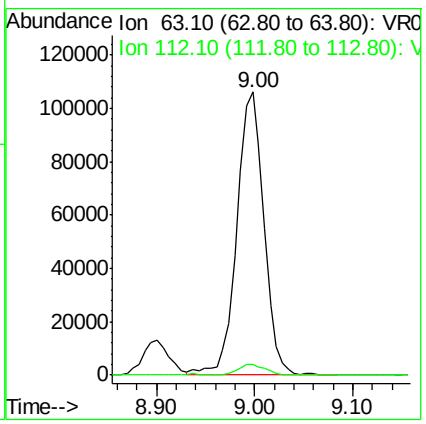


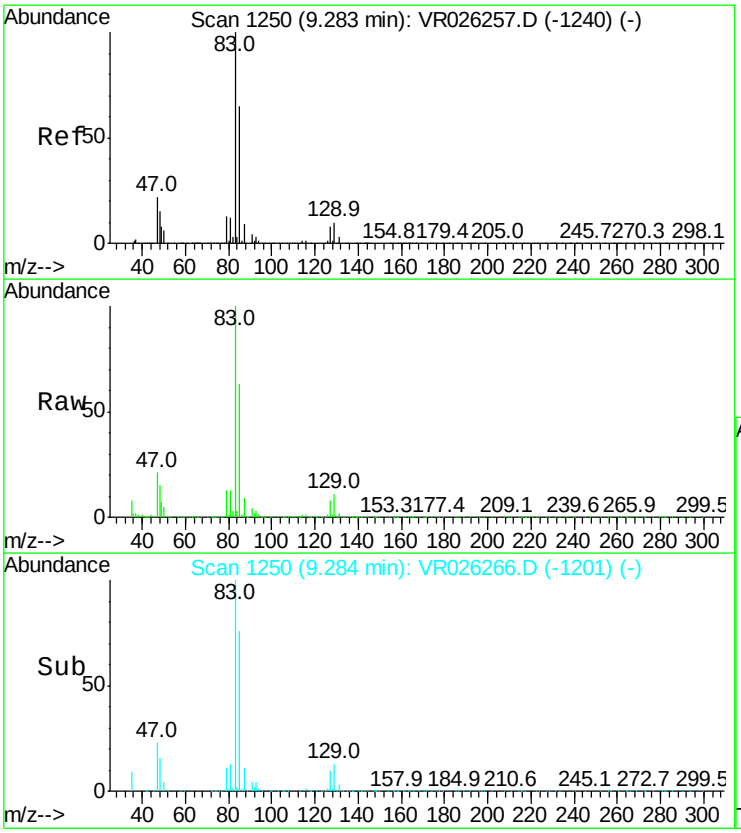

#37
1,2-Dichloropropane
Concen: 5.285 ug/L
RT: 9.00 min Scan# 1203
Delta R.T. 0.00 min
Lab File: VR026266.D
Acq: 17 Dec 2018 15:37

**Instrument :** MSVOA_R
**ClientSampleId :** VSTD00583

Tgt Ion: 63 Resp: 202025

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 3.8 | 3.0 | 4.6 |

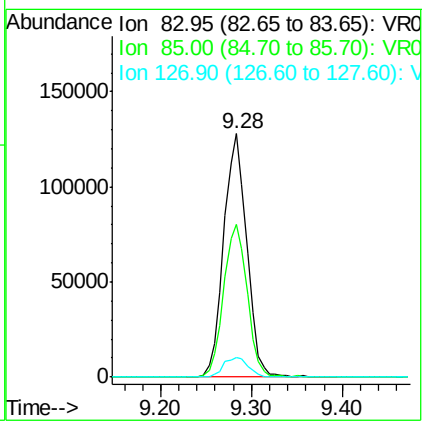


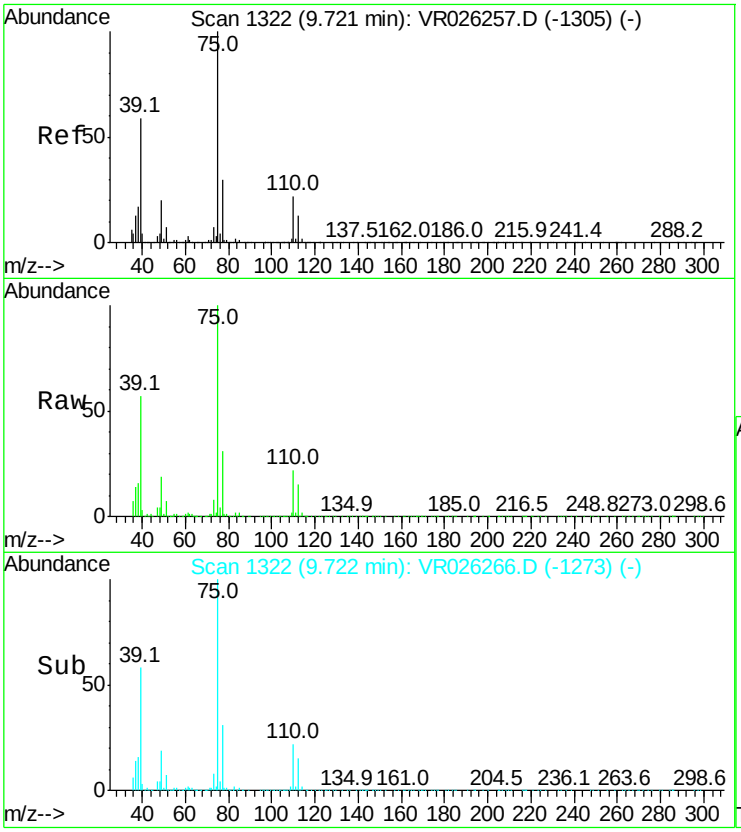




#38
Bromodichloromethane
Concen: 4.995 ug/L
RT: 9.28 min Scan# 1250
Delta R.T. 0.00 min
Lab File: VR026266.D
Acq: 17 Dec 2018 15:37

Tgt Ion: 83 Resp: 225519

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.8 | 45.5 | 84.5 |
| 127 | 8.2 | 6.3 | 9.5 |



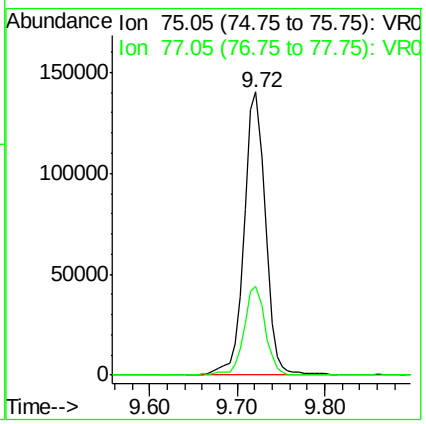


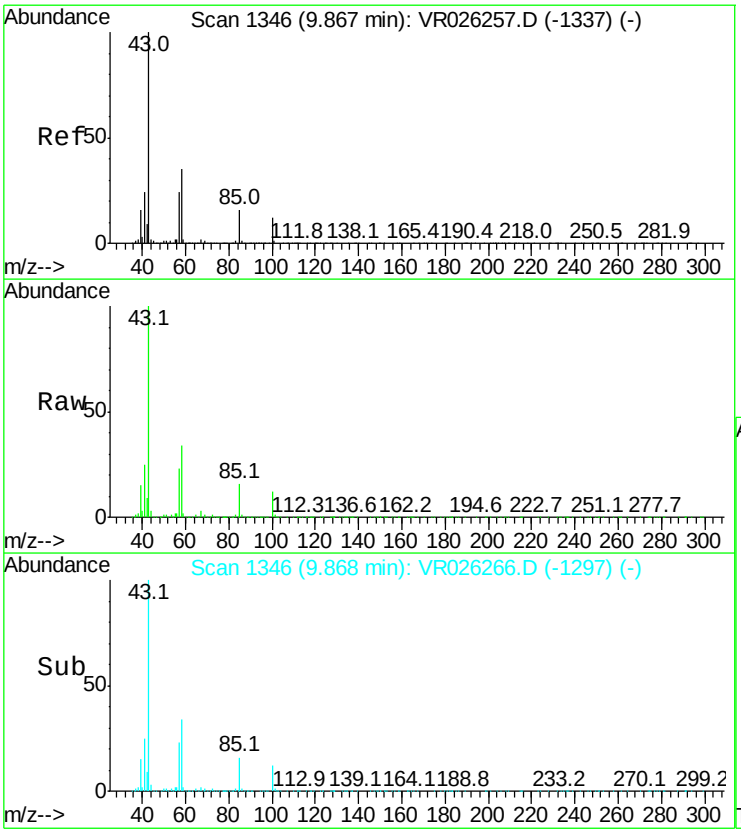

#39
cis-1,3-Dichloropropene
Concen: 5.502 ug/L
RT: 9.72 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VR026266.D
Acq: 17 Dec 2018 15:37

**Instrument :**
MSVOA_R
**ClientSampleId :**
VSTD00583

Tgt Ion: 75 Resp: 236362

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.3 | 20.9 | 38.7 |

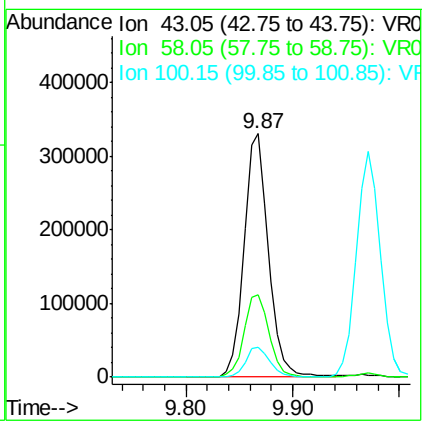


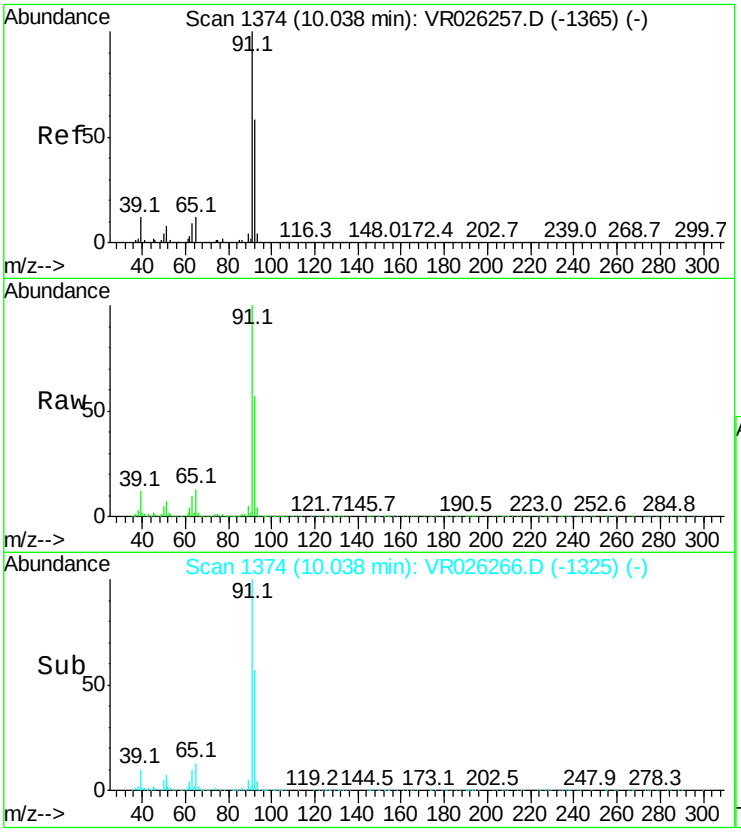




#40
4-Methyl-2-pentanone
Concen: 48.495 ug/L
RT: 9.87 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VR026266.D
Acq: 17 Dec 2018 15:37

Tgt Ion: 43 Resp: 530488

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 35.0 | 28.6 | 42.8 |
| 100 | 12.2 | 10.0 | 15.0 |



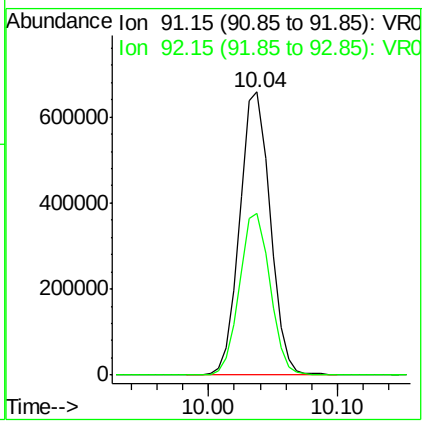


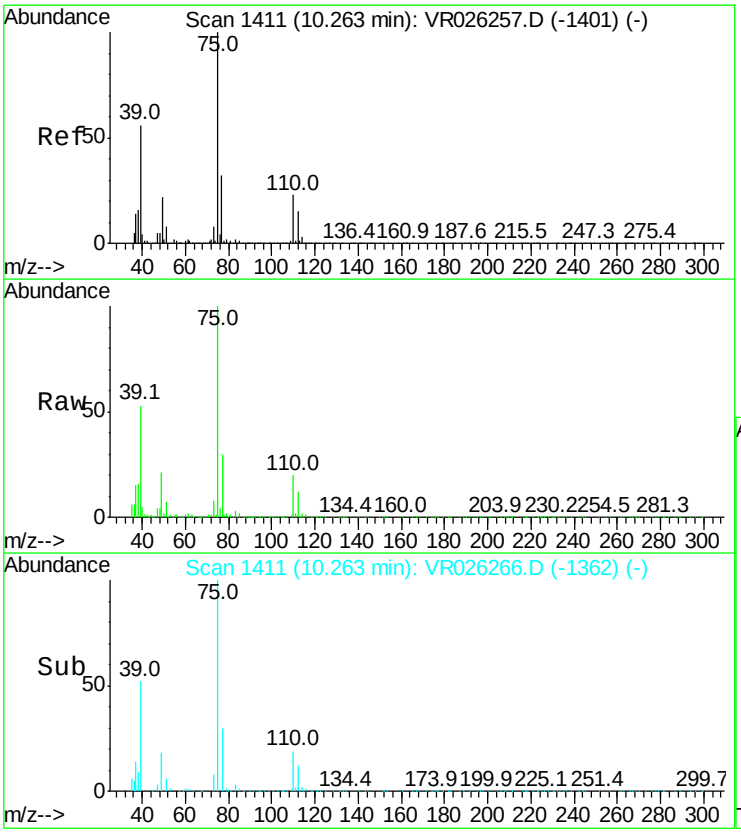

#42
Toluene
Concen: 5.410 ug/L
RT: 10.04 min Scan# 1374
Delta R.T. 0.00 min
Lab File: VR026266.D
Acq: 17 Dec 2018 15:37

**Instrument :**
MSVOA_R
**ClientSampleId :**
VSTD00583

Tgt Ion: 91 Resp: 1073721

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 57.2 | 40.5 | 75.1 |

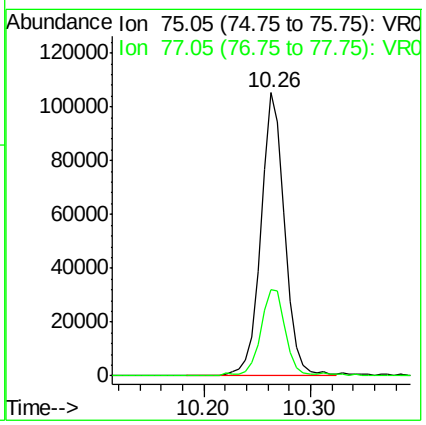


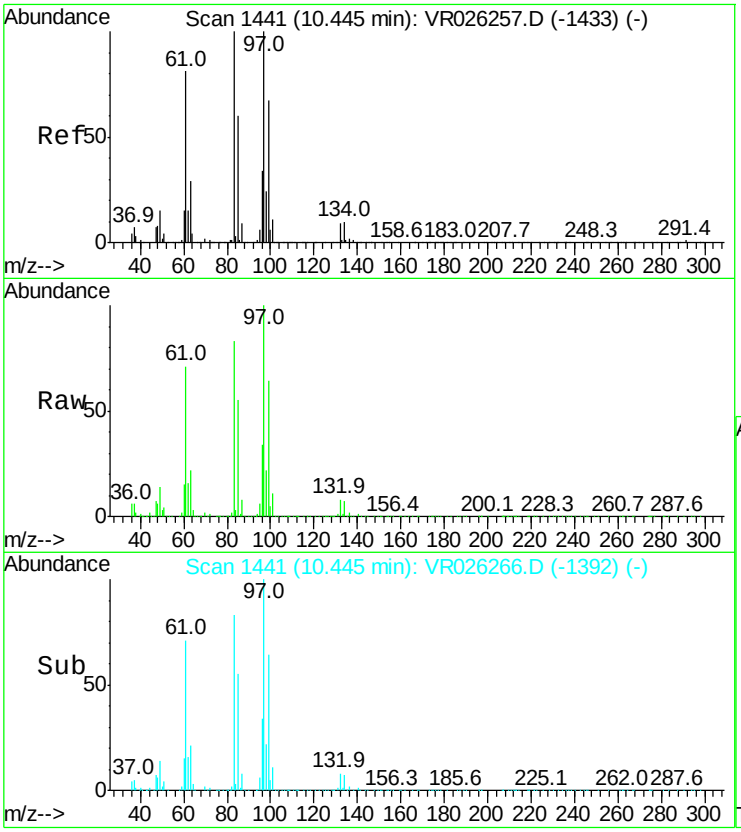




#44
trans-1,3-Dichloropropene
Concen: 5.657 ug/L
RT: 10.26 min Scan# 1411
Delta R.T. 0.00 min
Lab File: VR026266.D
Acq: 17 Dec 2018 15:37

Tgt Ion: 75 Resp: 164604

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.3 | 22.4 | 41.6 |



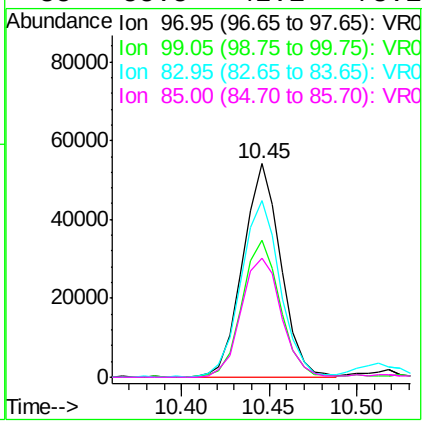


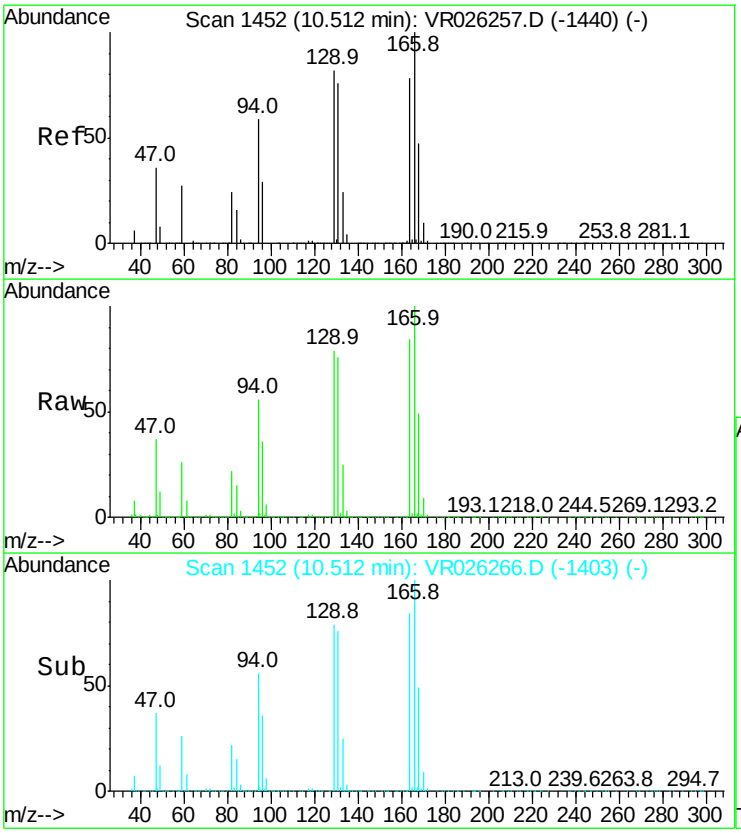

#45
1,1,2-Trichloroethane
Concen: 4.836 ug/L
RT: 10.45 min Scan# 1441
Delta R.T. 0.00 min
Lab File: VR026266.D
Acq: 17 Dec 2018 15:37

**Instrument :** MSVOA_R
**ClientSampleId :** VSTD00583

Tgt Ion: 97 Resp: 82190

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.3 | 46.8 | 86.8 |
| 83 | 82.7 | 70.1 | 130.3 |
| 85 | 55.5 | 42.1 | 78.1 |

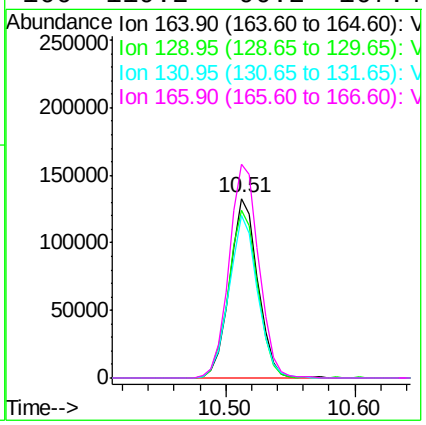


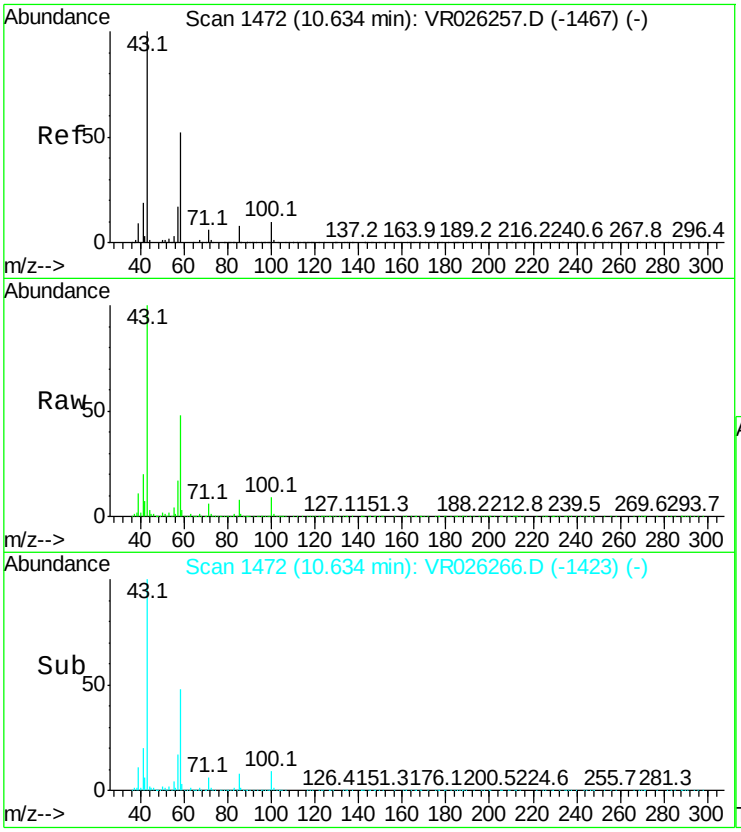




#47
Tetrachloroethene
Concen: 5.908 ug/L
RT: 10.51 min Scan# 1452
Delta R.T. 0.00 min
Lab File: VR026266.D
Acq: 17 Dec 2018 15:37

Tgt Ion:164 Resp: 202449

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 93.9 | 73.4 | 136.4 |
| 131 | 91.0 | 68.9 | 127.9 |
| 166 | 119.2 | 90.2 | 167.4 |



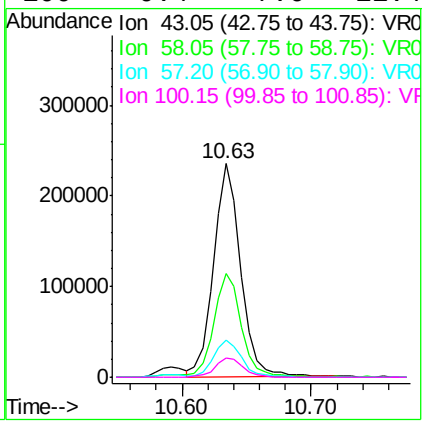


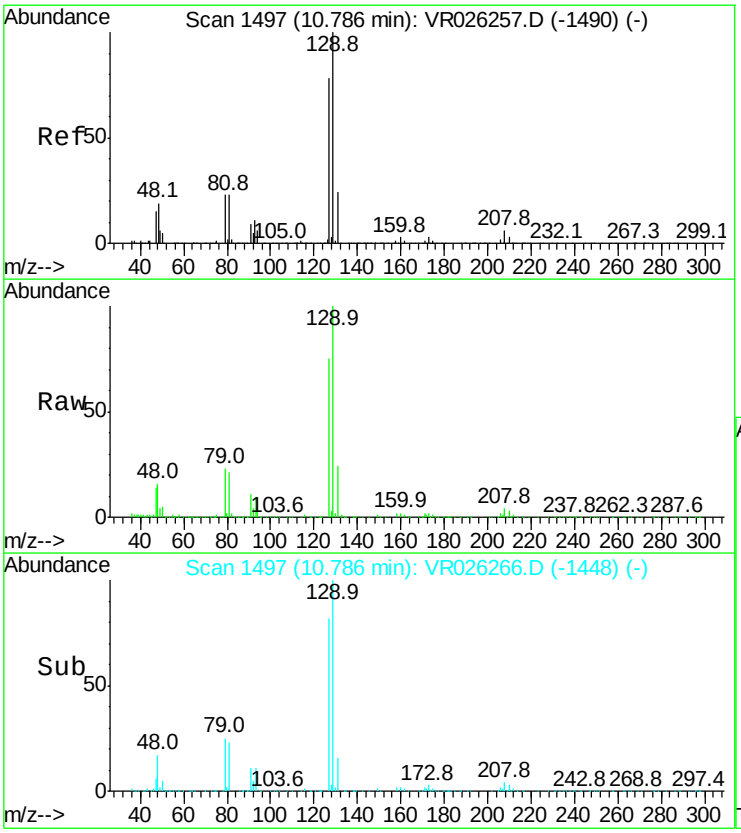

#48
2-Hexanone
Concen: 47.344 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. 0.00 min
Lab File: VR026266.D
Acq: 17 Dec 2018 15:37

**Instrument :** MSVOA_R
**ClientSampleId :** VSTD00583

Tgt Ion: 43 Resp: 346627

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 50.6 | 40.4 | 60.6 |
| 57 | 17.8 | 14.2 | 21.2 |
| 100 | 9.4 | 7.6 | 11.4 |

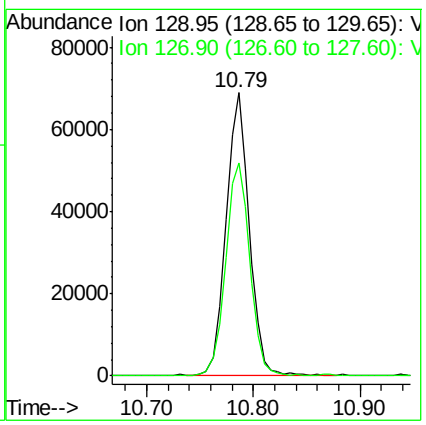


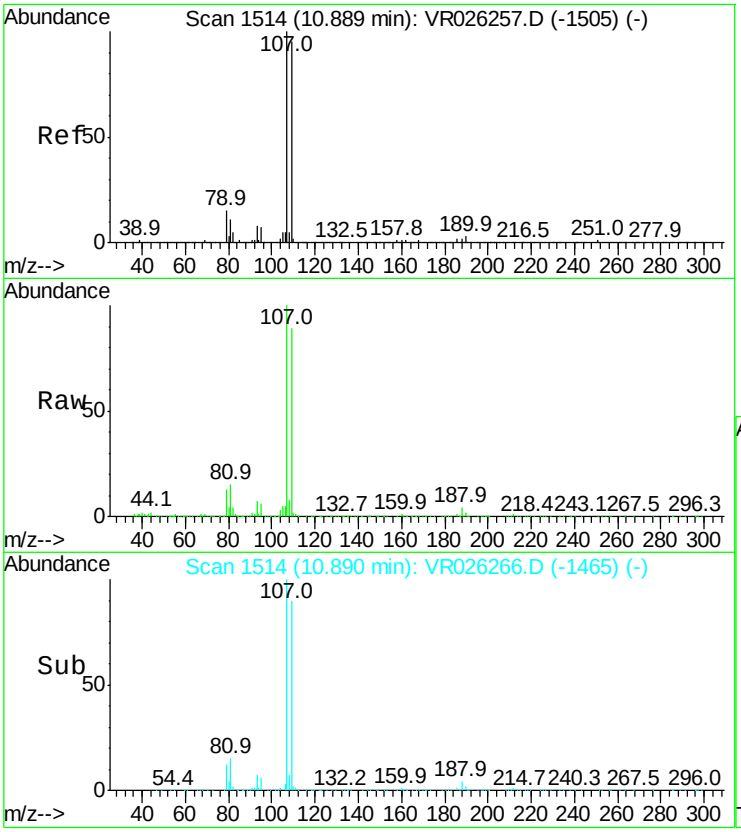




#49
Dibromochloromethane
Concen: 5.129 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. 0.00 min
Lab File: VR026266.D
Acq: 17 Dec 2018 15:37

Tgt Ion:129 Resp: 104828

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 75.1 | 54.6 | 101.4 |



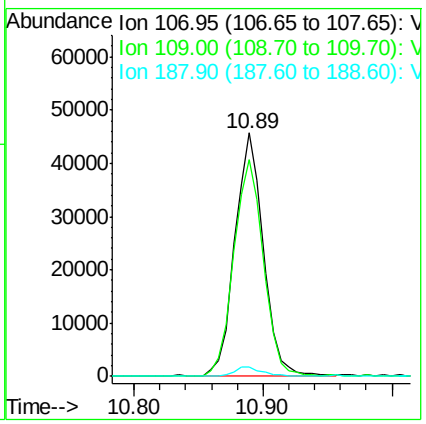


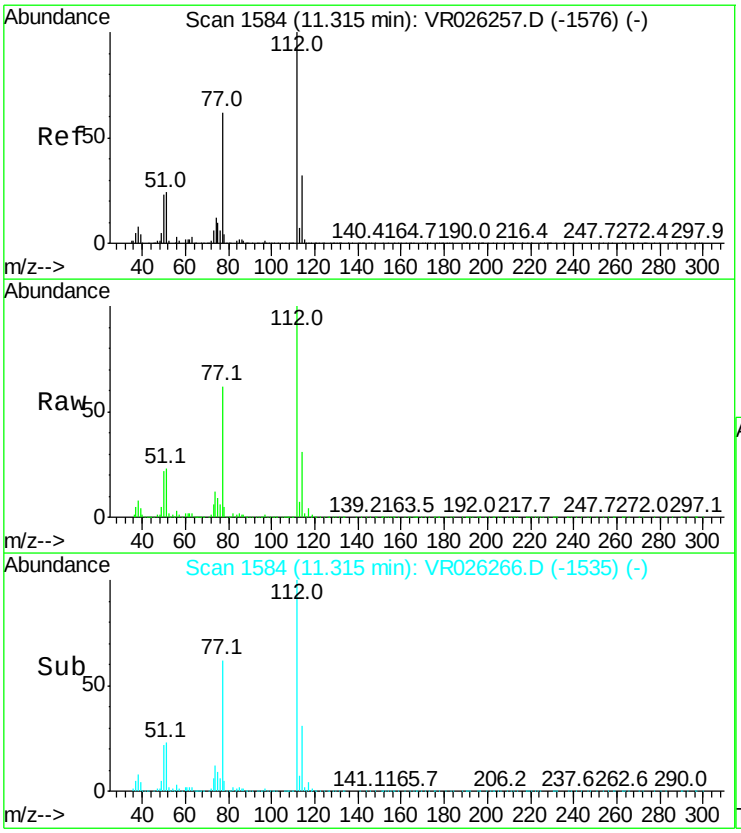

#50
1,2-Dibromoethane
Concen: 4.895 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VR026266.D
Acq: 17 Dec 2018 15:37

**Instrument :**
MSVOA_R
**ClientSampleId :**
VSTD00583

Tgt Ion:107 Resp: 69806

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 89.0 | 66.6 | 123.6 |
| 188 | 3.8 | 2.0 | 3.0# |

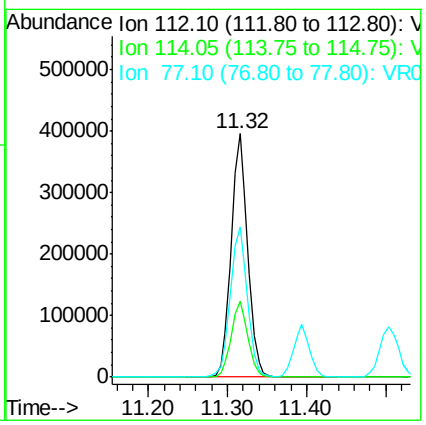


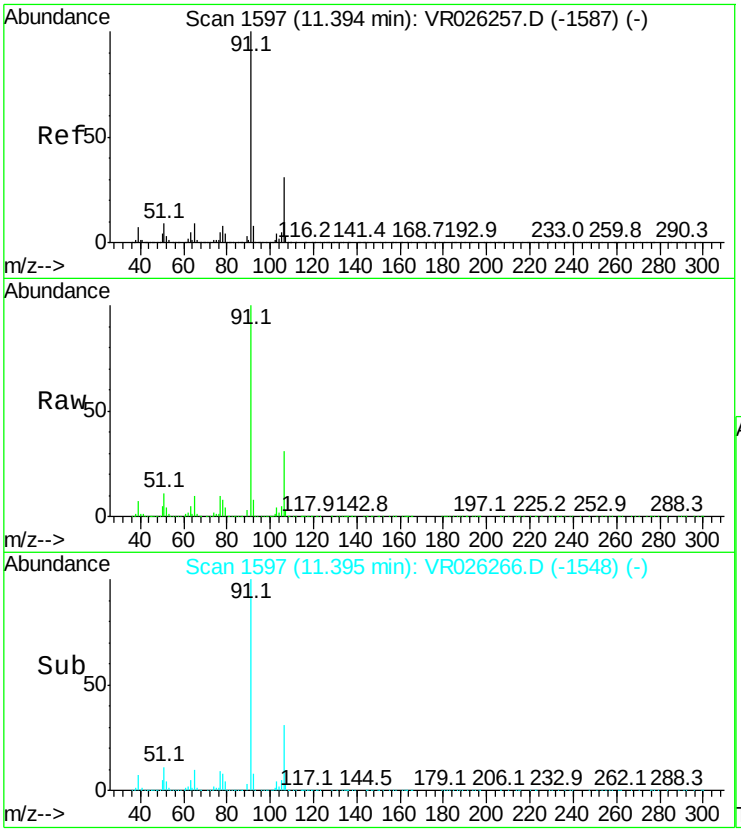




#51
Chlorobenzene
Concen: 5.247 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VR026266.D
Acq: 17 Dec 2018 15:37

Tgt Ion:112 Resp: 578624

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.0 | 22.7 | 42.3 |
| 77 | 61.8 | 49.8 | 74.8 |



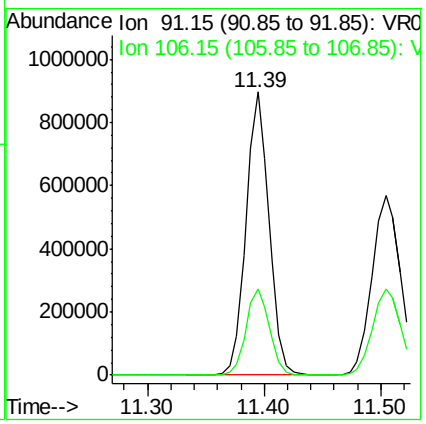


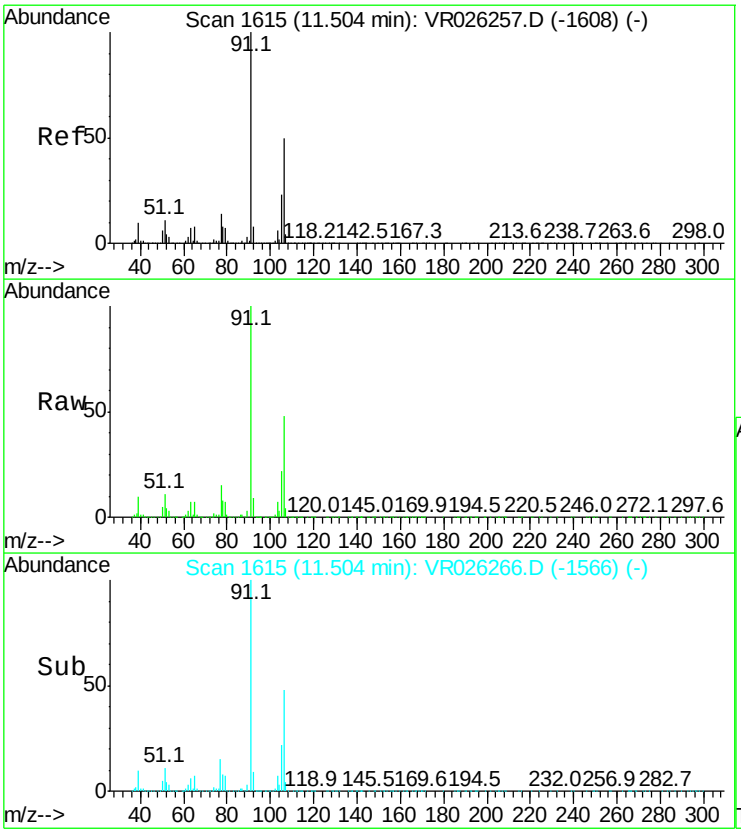

#52
Ethylbenzene
Concen: 5.621 ug/L
RT: 11.39 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VR026266.D
Acq: 17 Dec 2018 15:37

**Instrument :**
MSVOA_R
**ClientSampleId :**
VSTD00583

Tgt Ion: 91 Resp: 1233246

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.6 | 22.0 | 41.0 |

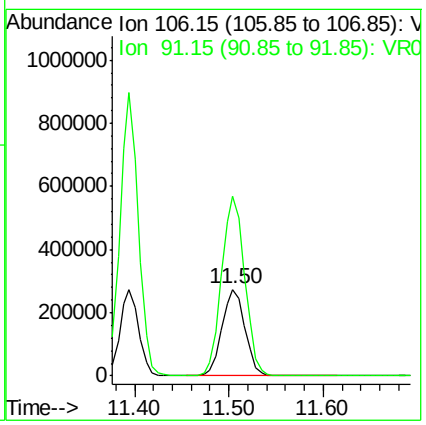


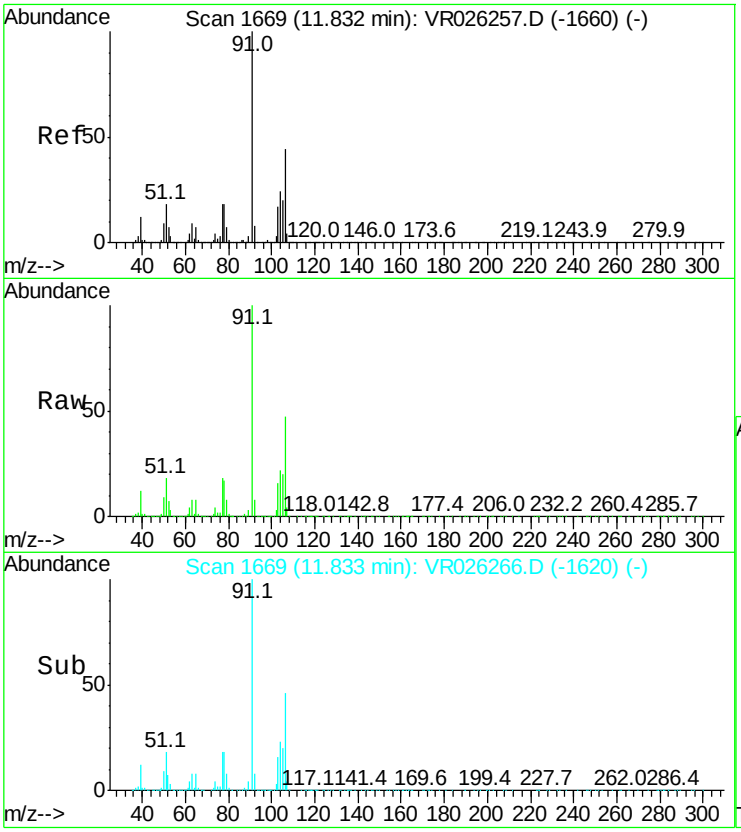




#53
m,p-Xylene
Concen: 5.759 ug/L
RT: 11.50 min Scan# 1615
Delta R.T. 0.00 min
Lab File: VR026266.D
Acq: 17 Dec 2018 15:37

Tgt Ion:106 Resp: 459862

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 208.5 | 141.2 | 262.2 |



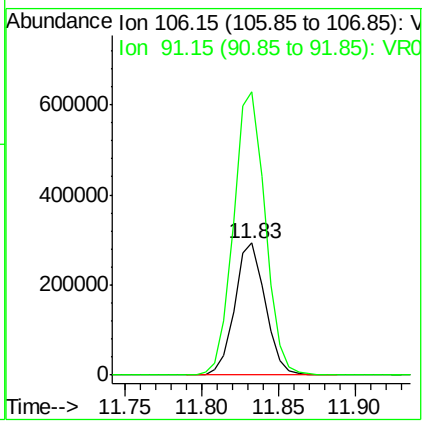


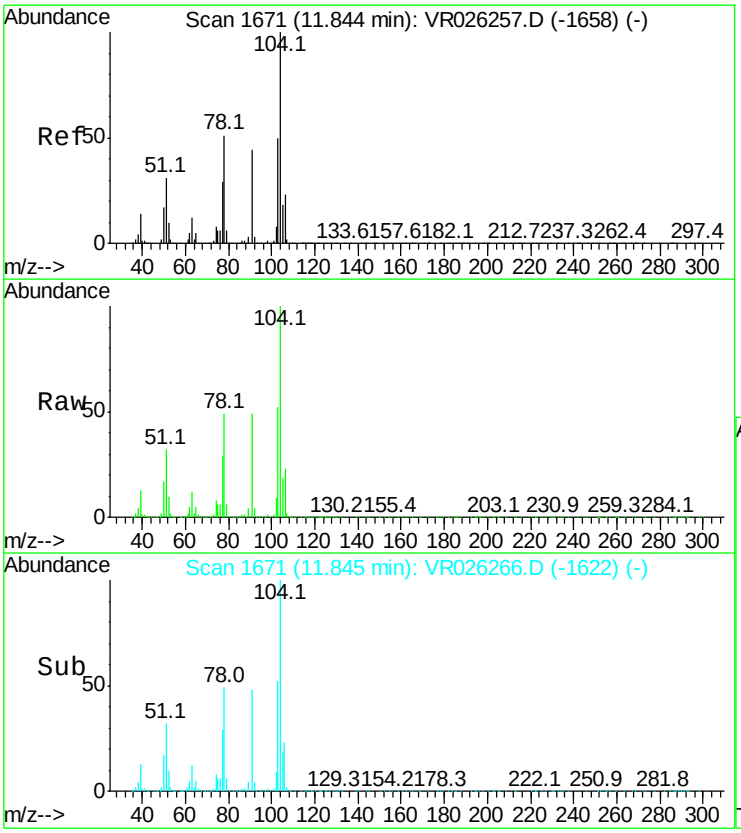

#54
o-Xylene
Concen: 5.599 ug/L
RT: 11.83 min Scan# 1669
Delta R.T. 0.00 min
Lab File: VR026266.D
Acq: 17 Dec 2018 15:37

**Instrument :** MSVOA_R
**ClientSampleId :** VSTD00583

Tgt Ion:106 Resp: 405096

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 214.9 | 159.6 | 296.4 |

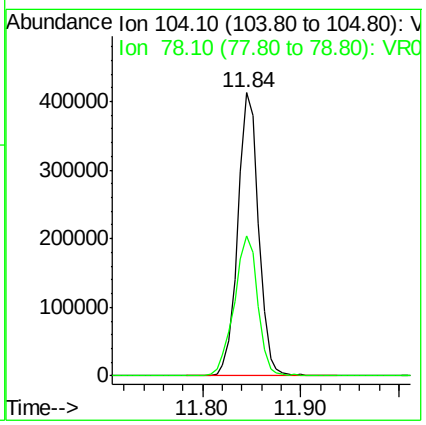


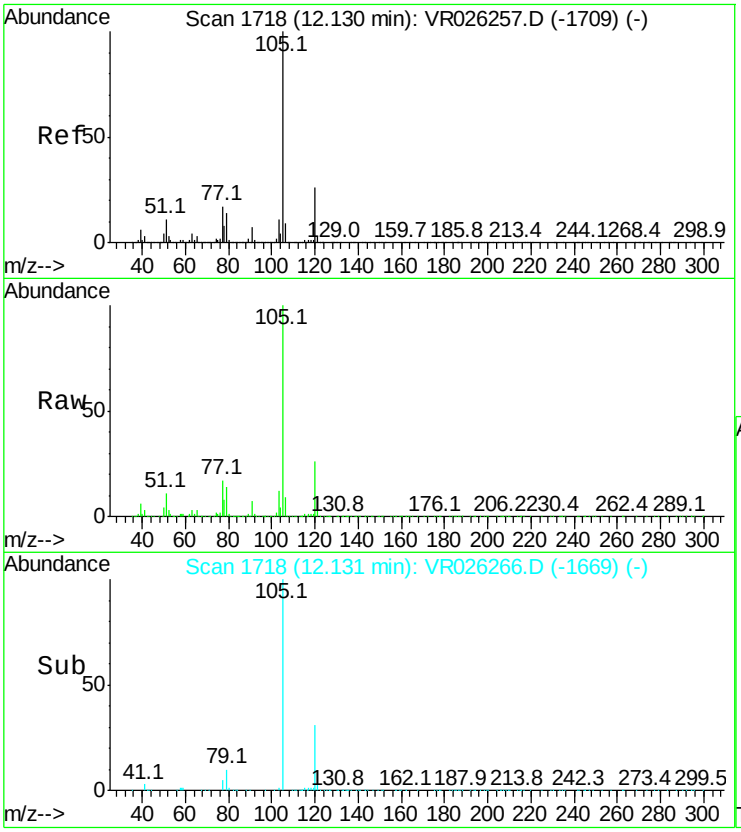




#55
Styrene
Concen: 5.289 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VR026266.D
Acq: 17 Dec 2018 15:37

Tgt Ion:104 Resp: 609515

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 49.4 | 35.4 | 65.8 |



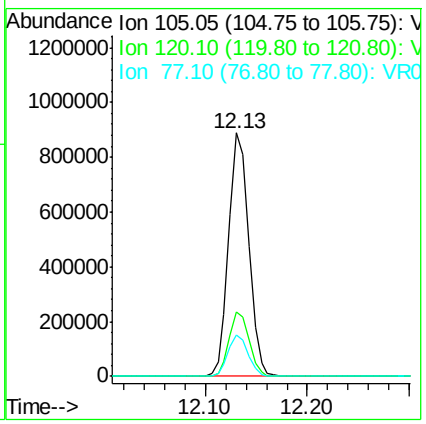


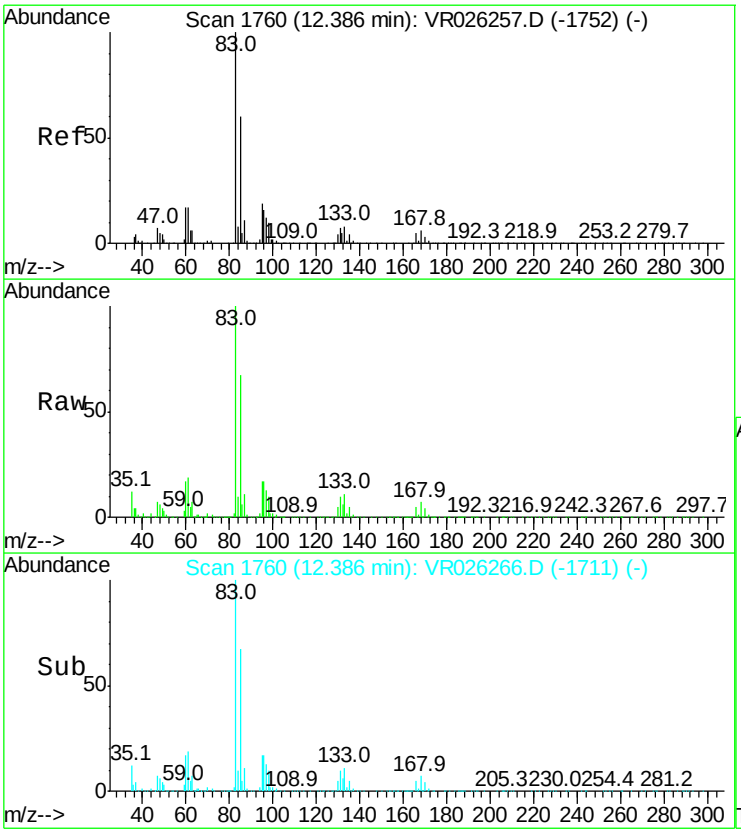

#56
Isopropylbenzene
Concen: 6.013 ug/L
RT: 12.13 min Scan# 1718
Delta R.T. 0.00 min
Lab File: VR026266.D
Acq: 17 Dec 2018 15:37

**Instrument :**
MSVOA_R
**ClientSampleId :**
VSTD00583

Tgt Ion:105 Resp: 1208518

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.5 | 20.3 | 30.5 |
| 77 | 17.0 | 13.8 | 20.8 |

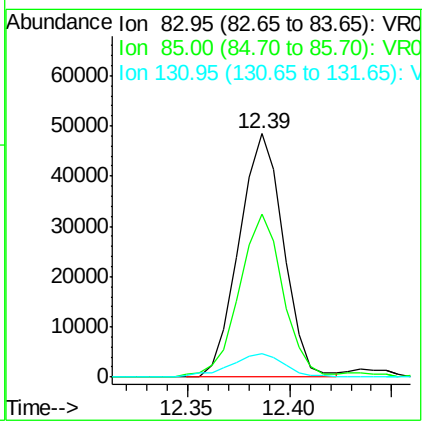


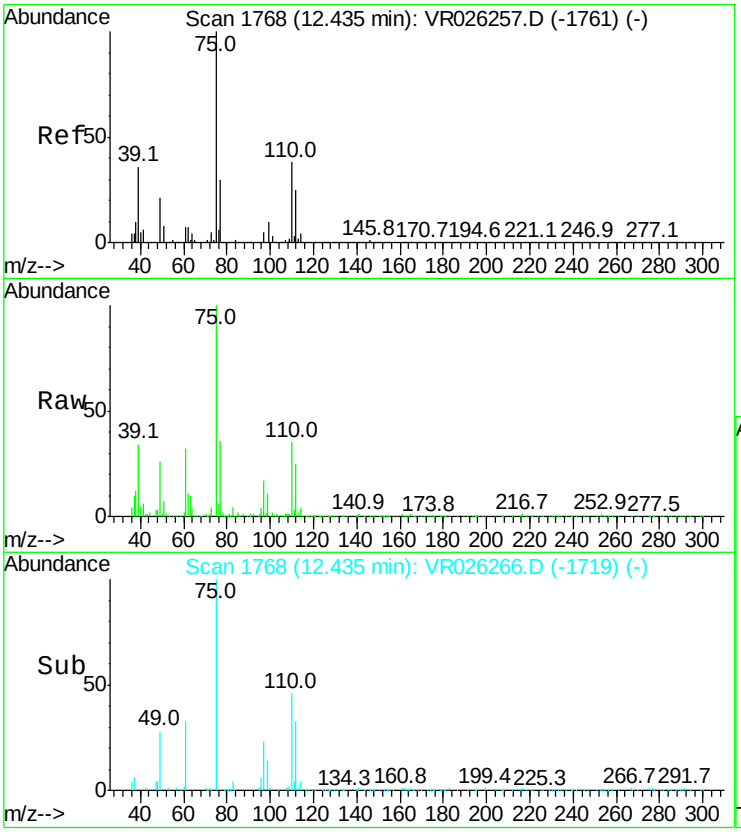




#58
1,1,2,2-Tetrachloroethane
Concen: 4.497 ug/L
RT: 12.39 min Scan# 1760
Delta R.T. 0.00 min
Lab File: VR026266.D
Acq: 17 Dec 2018 15:37

Tgt Ion: 83 Resp: 73127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 67.0 | 42.3 | 78.5 |
| 131 | 9.6 | 5.4 | 8.2# |



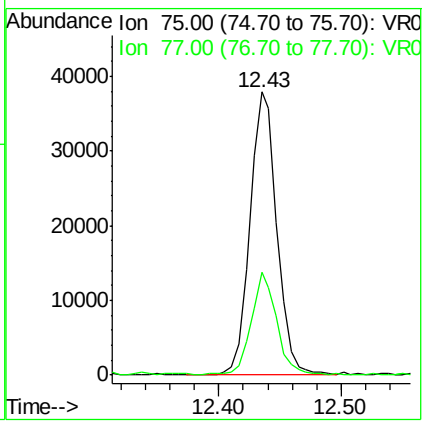


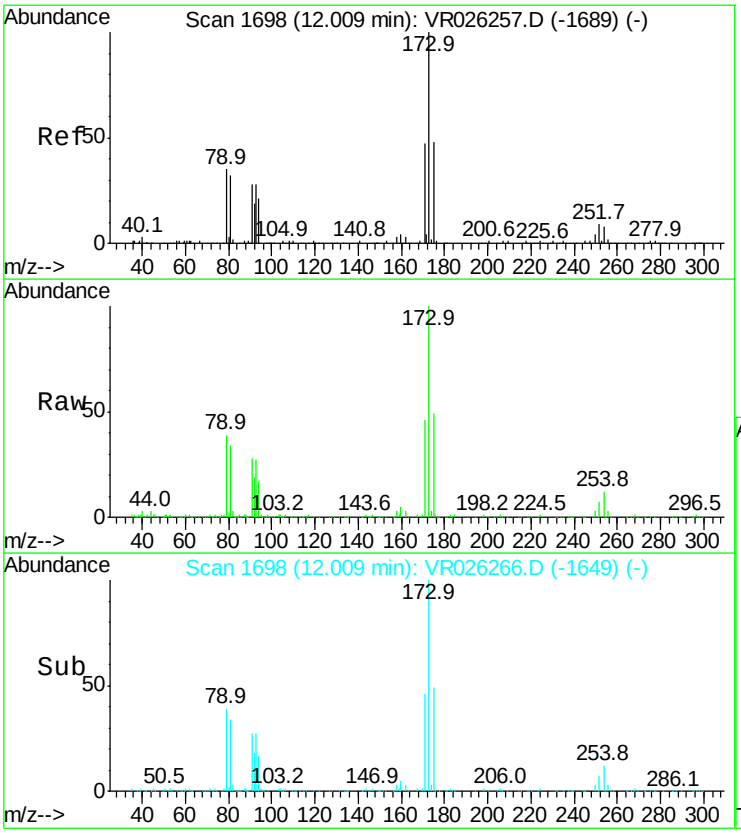

#59
1,2,3-Trichloropropane
Concen: 4.887 ug/L
RT: 12.43 min Scan# 1768
Delta R.T. 0.00 min
Lab File: VR026266.D
Acq: 17 Dec 2018 15:37

**Instrument :** MSVOA_R
**ClientSampleId :** VSTD00583

Tgt Ion: 75 Resp: 58117

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 33.8 | 25.1 | 37.7 |

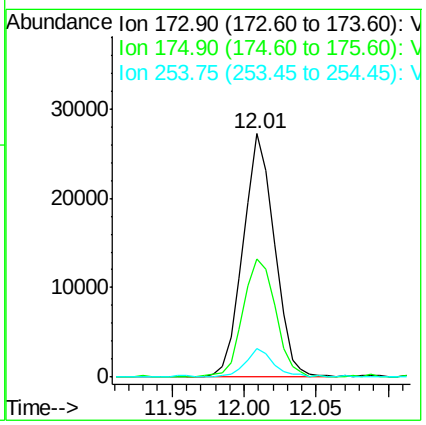


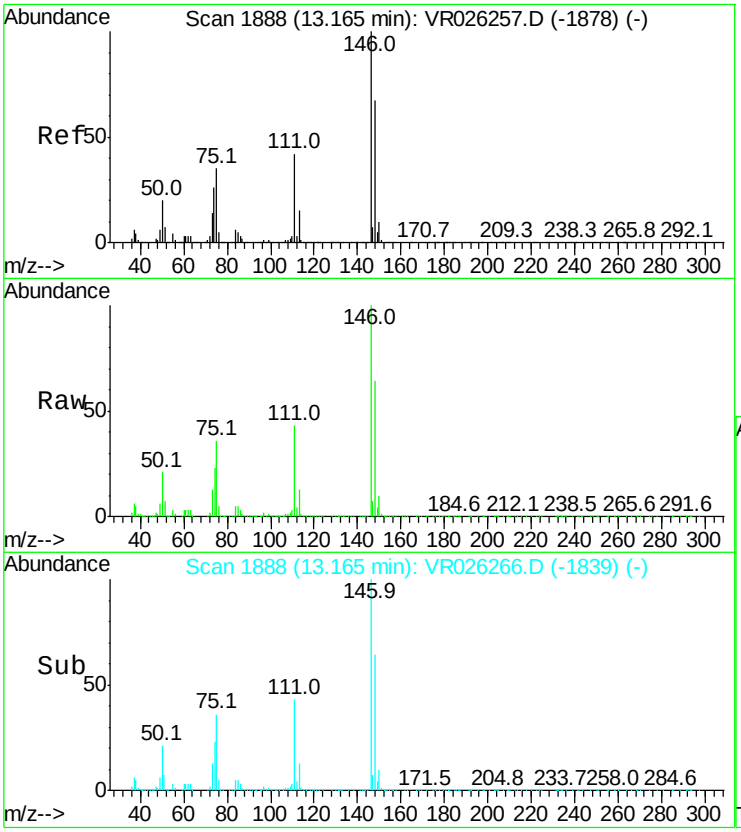




#61
Bromoform
Concen: 5.037 ug/L
RT: 12.01 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VR026266.D
Acq: 17 Dec 2018 15:37

Tgt Ion:173 Resp: 40918

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 51.1 | 37.8 | 56.6 |
| 254 | 10.6 | 7.6 | 11.4 |



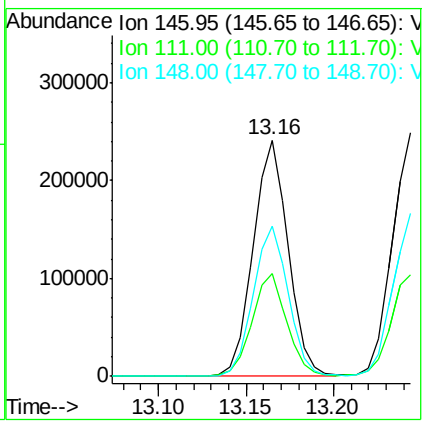


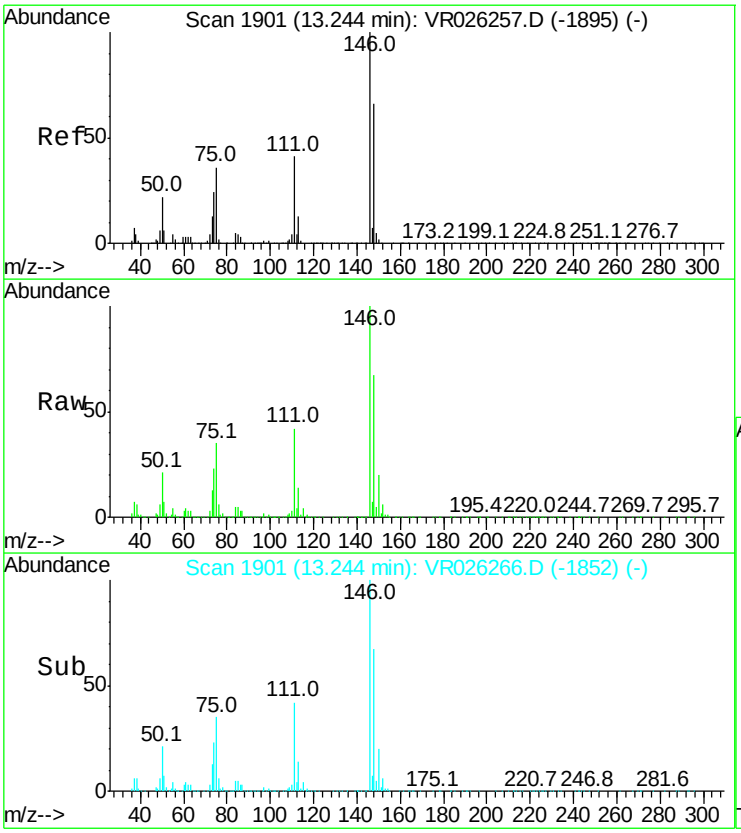

#62
1,3-Dichlorobenzene
Concen: 5.087 ug/L
RT: 13.16 min Scan# 1888
Delta R.T. 0.00 min
Lab File: VR026266.D
Acq: 17 Dec 2018 15:37

**Instrument :**
MSVOA_R
**ClientSampleId :**
VSTD00583

Tgt Ion:146 Resp: 334248

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.4 | 29.4 | 54.6 |
| 148 | 63.5 | 46.5 | 86.5 |

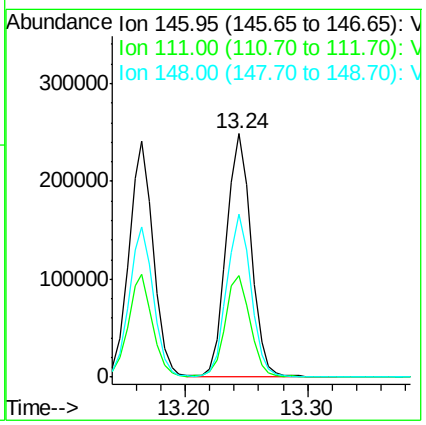


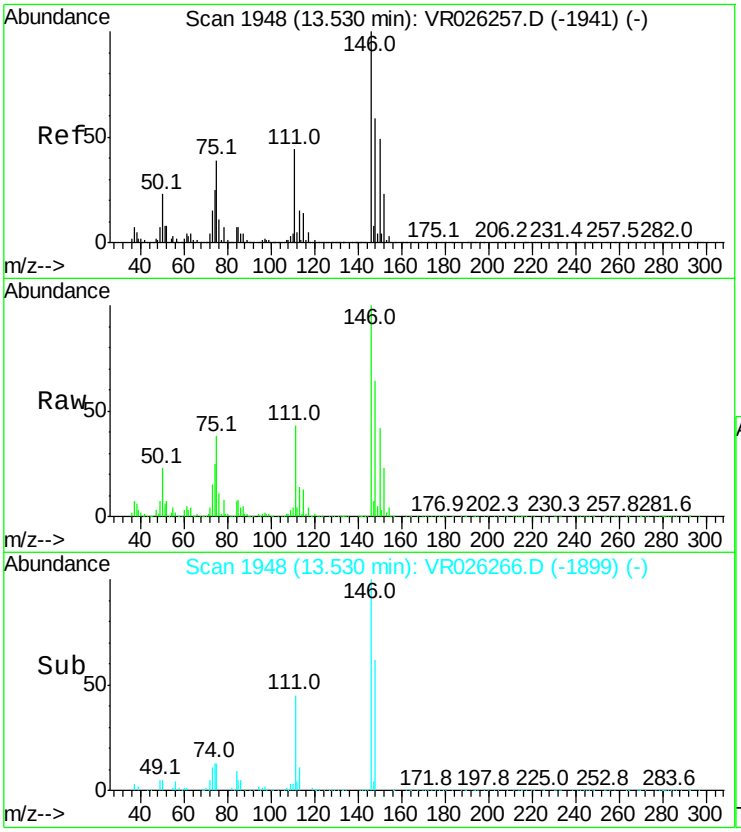




#63
1,4-Dichlorobenzene
Concen: 4.833 ug/L
RT: 13.24 min Scan# 1901
Delta R.T. 0.00 min
Lab File: VR026266.D
Acq: 17 Dec 2018 15:37

Tgt Ion:146 Resp: 349882

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.5 | 28.9 | 53.7 |
| 148 | 66.7 | 46.3 | 85.9 |



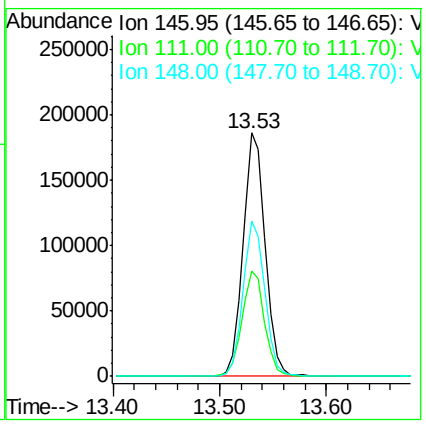


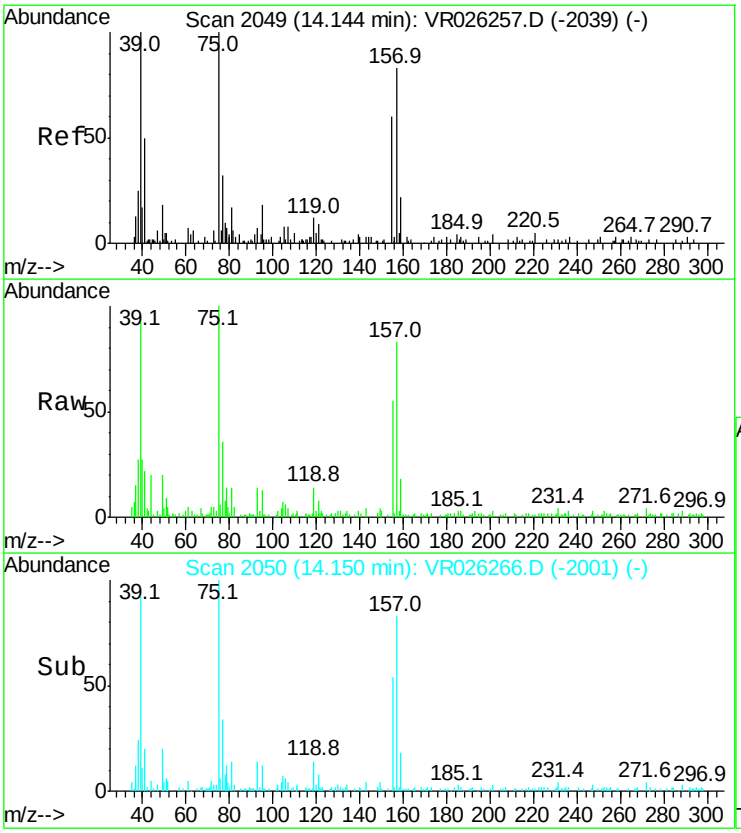

#65
1,2-Dichlorobenzene
Concen: 5.001 ug/L
RT: 13.53 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VR026266.D
Acq: 17 Dec 2018 15:37

**Instrument :** MSVOA_R
**ClientSampleId :** VSTD00583

Tgt Ion:146 Resp: 270785

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.3 | 35.5 | 53.3 |
| 148 | 63.8 | 47.6 | 71.4 |

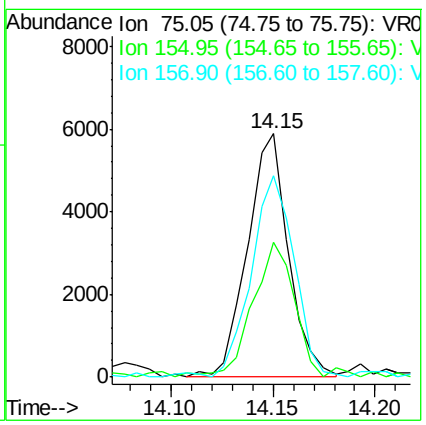


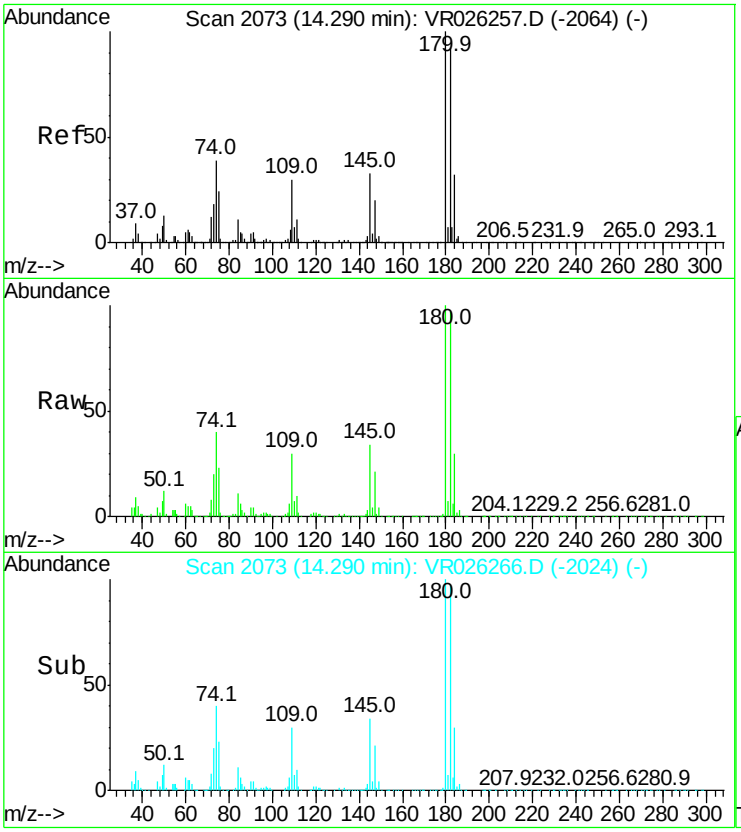




#66
1,2-Dibromo-3-chloropropane
Concen: 4.077 ug/L
RT: 14.15 min Scan# 2050
Delta R.T. 0.00 min
Lab File: VR026266.D
Acq: 17 Dec 2018 15:37

Tgt Ion: 75 Resp: 8233

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 55.5 | 47.9 | 71.9 |
| 157 | 82.9 | 66.5 | 99.7 |



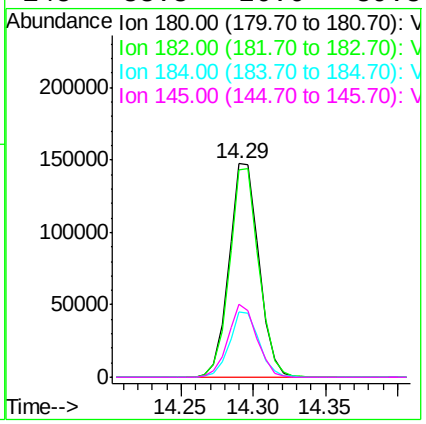


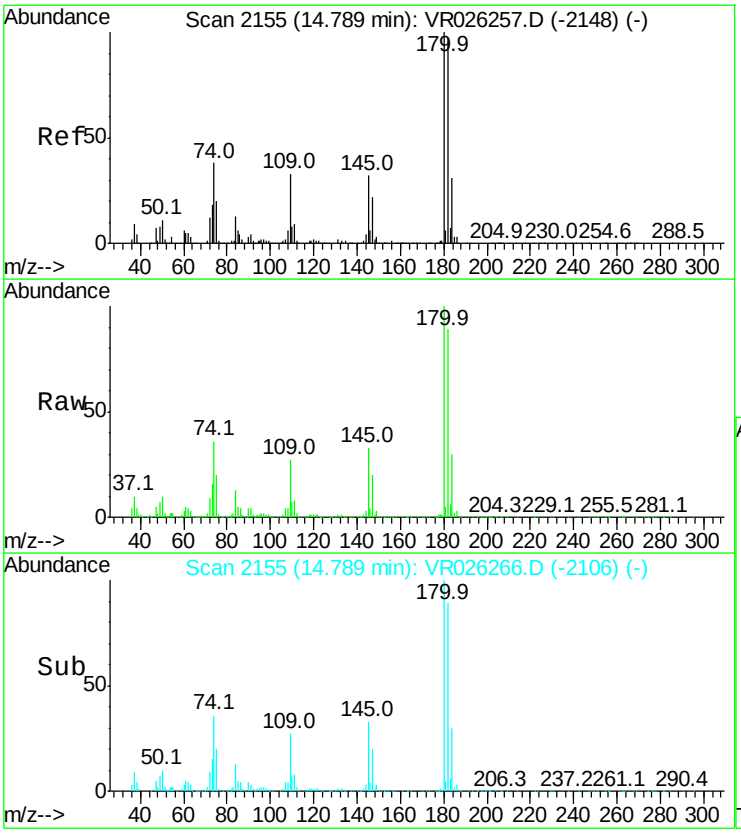

#67
1,3,5-Trichlorobenzene
Concen: 5.188 ug/L
RT: 14.29 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VR026266.D
Acq: 17 Dec 2018 15:37

**Instrument :**
MSVOA_R
**ClientSampleId :**
VSTD00583

Tgt Ion:180 Resp: 212844

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.6 | 74.0 | 111.0 |
| 184 | 30.5 | 25.4 | 38.0 |
| 145 | 33.3 | 26.6 | 39.8 |

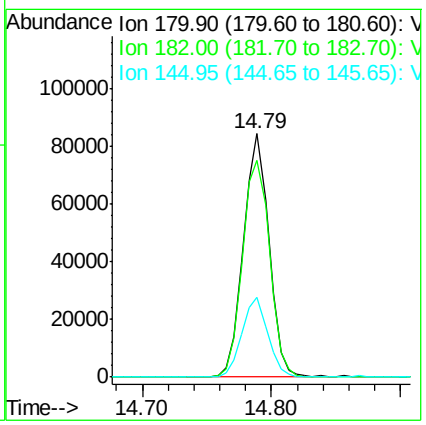


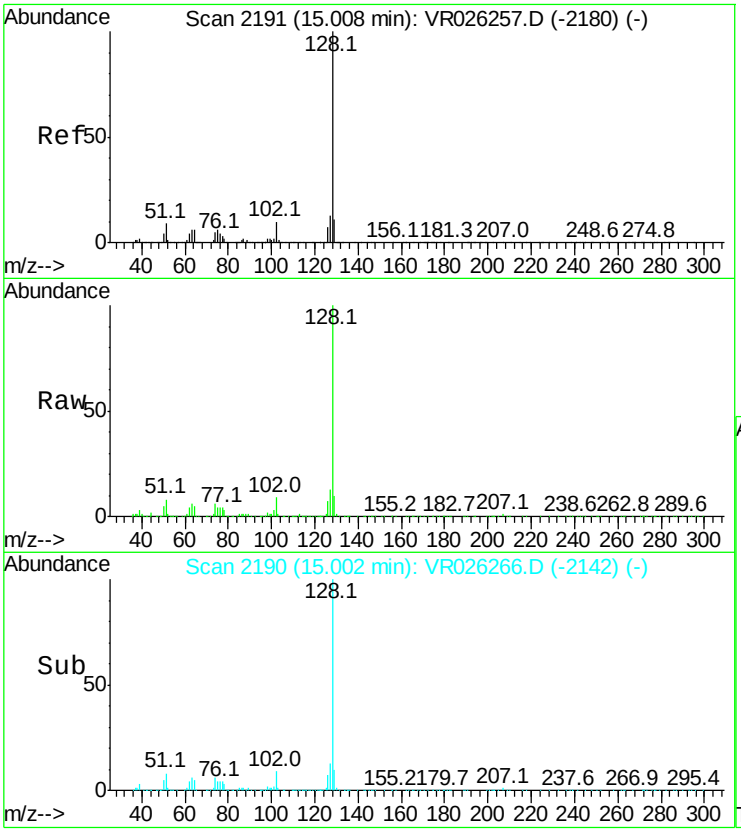




#68
1,2,4-trichlorobenzene
Concen: 5.036 ug/L
RT: 14.79 min Scan# 2155
Delta R.T. 0.00 min
Lab File: VR026266.D
Acq: 17 Dec 2018 15:37

Tgt Ion:180 Resp: 114690

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.7 | 74.9 | 112.3 |
| 145 | 33.7 | 26.0 | 39.0 |



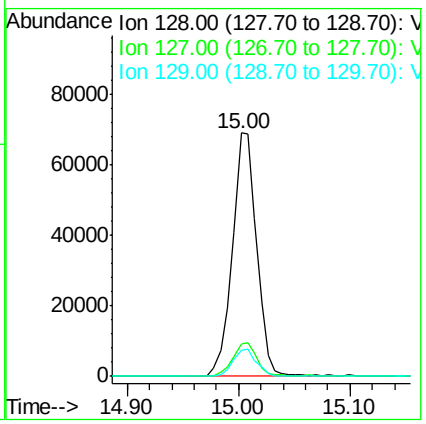


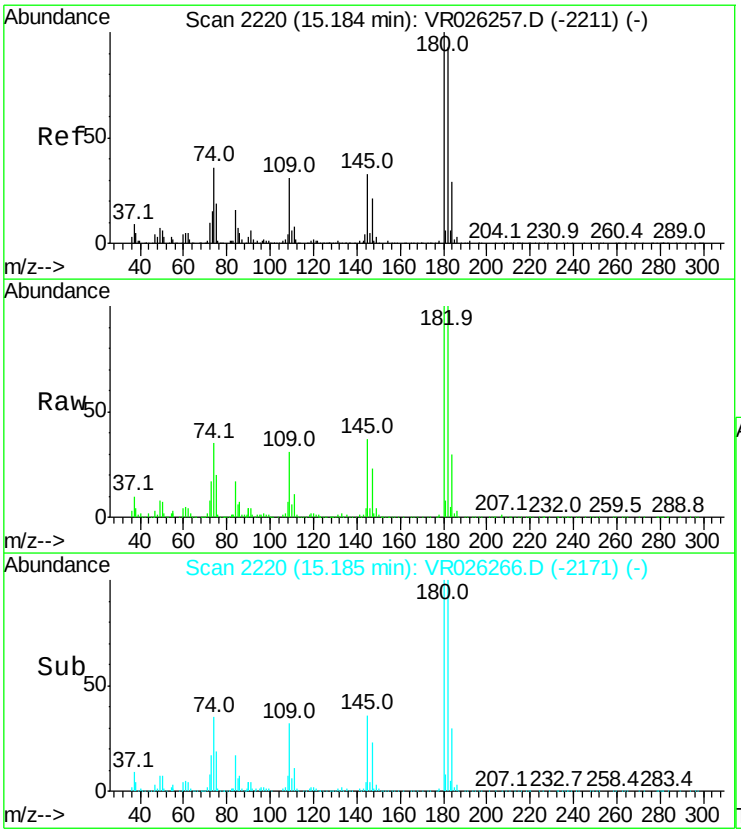

#69
Naphthalene
Concen: 4.663 ug/L
RT: 15.00 min Scan# 2190
Delta R.T. -0.01 min
Lab File: VR026266.D
Acq: 17 Dec 2018 15:37

**Instrument :**
MSVOA_R
**ClientSampleId :**
VSTD00583

Tgt Ion:128 Resp: 103786

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.9 | 10.2 | 15.2 |
| 129 | 10.9 | 9.2 | 13.8 |




#70
1,2,3-Trichlorobenzene
Concen: 4.921 ug/L
RT: 15.18 min Scan# 2220
Delta R.T. 0.00 min
Lab File: VR026266.D
Acq: 17 Dec 2018 15:37

Tgt Ion:180 Resp: 83142

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.9 | 73.9 | 110.9 |
| 145 | 32.2 | 28.2 | 42.2 |