Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV101518\
Data File : VV008276.D
Acq On : 15 Oct 2018 15:47
Operator : SY/MD
Sample : VSTDICV005
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Oct 16 05:24:45 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 16 05:17:07 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.67 | 114 | 151022 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.90 | 117 | 139013 | 5.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152 | 62099 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.32 | 65 | 39612 | 4.64 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 92.80% | | | |
| 7) Chloroethane-d5 | 1.58 | 69 | 29243 | 4.34 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 86.80% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.13 | 63 | 77188 | 4.71 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 94.20% | | | |
| 20) 2-Butanone-d5 | 3.98 | 46 | 135364 | 47.29 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 94.58% | | | |
| 24) Chloroform-d | 4.41 | 84 | 89954 | 4.72 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 94.40% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.09 | 65 | 44876 | 4.64 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 92.80% | | | |
| 32) Benzene-d6 | 5.10 | 84 | 191039 | 4.68 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 93.60% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.12 | 67 | 64474 | 4.80 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 96.00% | | | |
| 41) Toluene-d8 | 7.36 | 98 | 173002 | 4.68 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 93.60% | | | |
| 43) trans-1,3-Dichloropropene- | 7.67 | 79 | 24836 | 4.46 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 89.20% | | | |
| 46) 2-Hexanone-d5 | 8.14 | 63 | 100615 | 51.48 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 102.96% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26 | 84 | 40918 | 4.59 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 91.80% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.68 | 152 | 55107 | 4.68 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 93.60% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.14 | 85 | 56115 | 4.826 | ug/L | 98 |
| 3) Chloromethane | 1.25 | 50 | 56508 | 4.761 | ug/L | 95 |
| 5) Vinyl chloride | 1.32 | 62 | 53466 | 4.758 | ug/L | 98 |
| 6) Bromomethane | 1.54 | 94 | 30800 | 4.790 | ug/L | 98 |
| 8) Chloroethane | 1.60 | 64 | 29520 | 5.054 | ug/L | 99 |
| 9) Trichlorofluoromethane | 1.77 | 101 | 71532 | 5.236 | ug/L | 99 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.14 | 101 | 38216 | 4.902 | ug/L | 98 |
| 12) 1,1-Dichloroethene | 2.14 | 96 | 35210 | 4.853 | ug/L | 96 |
| 13) Acetone | 2.24 | 43 | 71295 | 46.030 | ug/L | 98 |
| 14) Carbon disulfide | 2.32 | 76 | 125396 | 5.024 | ug/L | 100 |
| 15) Methyl Acetate | 2.48 | 43 | 16805 | 4.362 | ug/L | 97 |
| 16) Methylene chloride | 2.54 | 84 | 38616 | 4.599 | ug/L | 98 |
| 17) Methyl tert-butyl Ether | 2.82 | 73 | 103905 | 5.042 | ug/L | 99 |
| 18) trans-1,2-Dichloroethene | 2.79 | 96 | 38660 | 4.953 | ug/L | 97 |
| 19) 1,1-Dichloroethane | 3.23 | 63 | 76196 | 4.725 | ug/L | 98 |
| 21) 2-Butanone | 4.07 | 43 | 153127 | 47.613 | ug/L | 99 |
| 22) cis-1,2-Dichloroethene | 3.96 | 96 | 61251 | 4.860 | ug/L # | 100 |

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV101518\
Data File : VV008276.D
Acq On : 15 Oct 2018 15:47
Operator : SY/MD
Sample : VSTDICV005
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Oct 16 05:24:45 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 16 05:17:07 2018
Response via : Initial Calibration

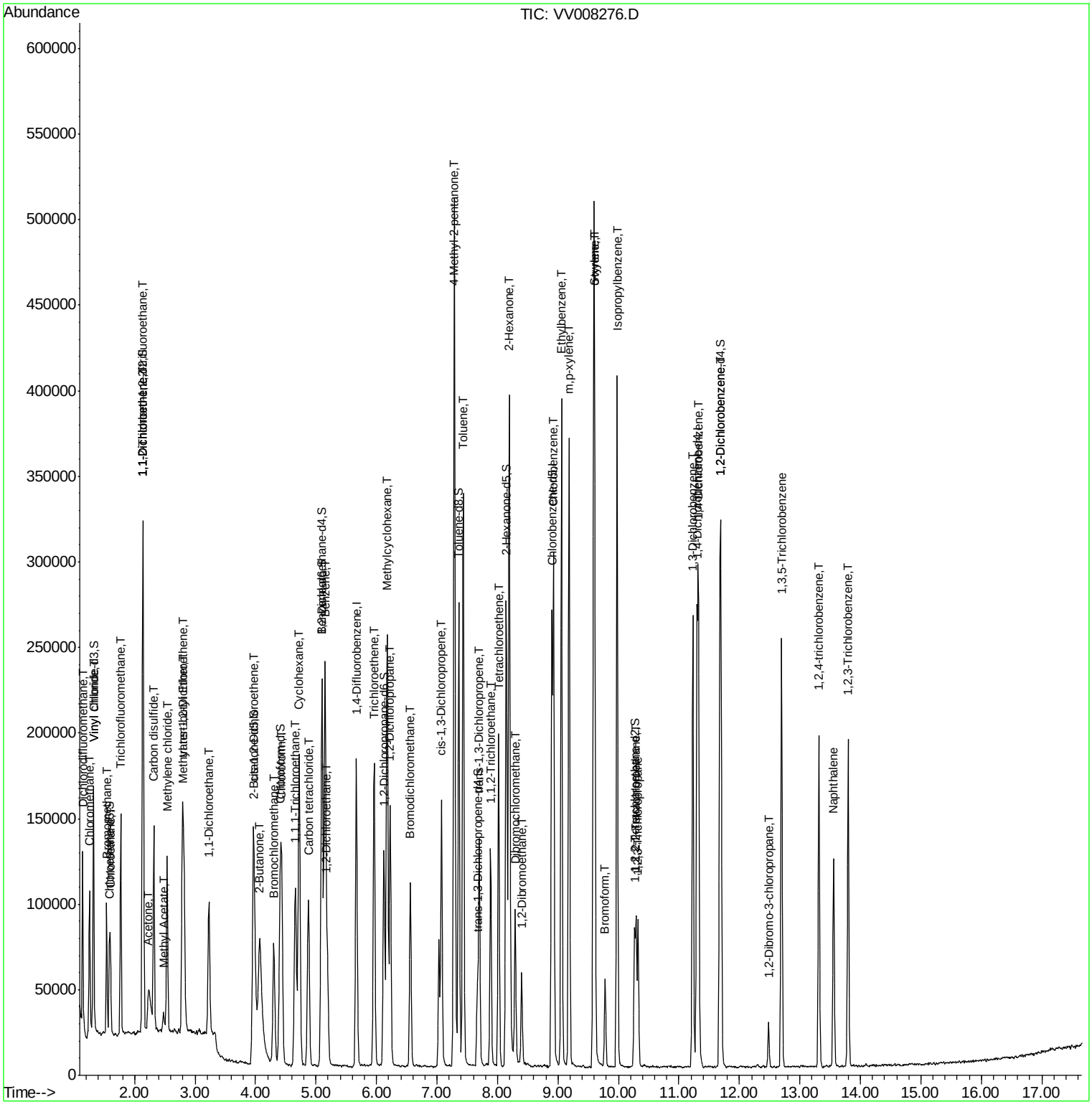
| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 23) Bromochloromethane | 4.30 | 128 | 23147 | 4.954 ug/L | 98 |
| 25) Chloroform | 4.43 | 83 | 97090 | 4.912 ug/L | 98 |
| 27) 1,2-Dichloroethane | 5.19 | 62 | 59272 | 5.044 ug/L | 99 |
| 29) 1,1,1-Trichloroethane | 4.66 | 97 | 84339 | 4.872 ug/L | 98 |
| 30) Cyclohexane | 4.72 | 56 | 105268 | 4.838 ug/L | 99 |
| 31) Carbon tetrachloride | 4.87 | 117 | 70581 | 4.849 ug/L | 98 |
| 33) Benzene | 5.15 | 78 | 230838 | 4.928 ug/L | 100 |
| 34) Trichloroethene | 5.96 | 95 | 62241 | 4.795 ug/L | 97 |
| 35) Methylcyclohexane | 6.17 | 83 | 107259 | 4.900 ug/L | 99 |
| 37) 1,2-Dichloropropane | 6.23 | 63 | 63010 | 4.985 ug/L | 99 |
| 38) Bromodichloromethane | 6.56 | 83 | 70437 | 4.961 ug/L | 98 |
| 39) cis-1,3-Dichloropropene | 7.07 | 75 | 90790 | 5.034 ug/L | 98 |
| 40) 4-Methyl-2-pentanone | 7.29 | 43 | 372585 | 48.132 ug/L | 99 |
| 42) Toluene | 7.43 | 91 | 241584 | 4.947 ug/L | 99 |
| 44) trans-1,3-Dichloropropene | 7.70 | 75 | 72300 | 5.009 ug/L | 99 |
| 45) 1,1,2-Trichloroethane | 7.89 | 97 | 38593 | 4.918 ug/L | 99 |
| 47) Tetrachloroethene | 8.02 | 164 | 39711 | 4.882 ug/L | 96 |
| 48) 2-Hexanone | 8.19 | 43 | 276708 | 48.907 ug/L | 99 |
| 49) Dibromochloromethane | 8.29 | 129 | 44921 | 5.022 ug/L | 96 |
| 50) 1,2-Dibromoethane | 8.40 | 107 | 36383 | 4.947 ug/L | 94 |
| 51) Chlorobenzene | 8.93 | 112 | 148060 | 5.104 ug/L | 99 |
| 52) Ethylbenzene | 9.06 | 91 | 269948 | 5.028 ug/L | 100 |
| 53) m,p-xylene | 9.18 | 106 | 100481 | 5.174 ug/L | 98 |
| 54) o-xylene | 9.59 | 106 | 97528 | 5.041 ug/L | 100 |
| 55) Styrene | 9.60 | 104 | 160406 | 5.153 ug/L | 99 |
| 56) Isopropylbenzene | 9.98 | 105 | 257049 | 5.041 ug/L | 99 |
| 58) 1,1,2,2-Tetrachloroethane | 10.29 | 83 | 42495 | 4.760 ug/L | 99 |
| 59) 1,2,3-Trichloropropane | 10.32 | 75 | 34996 | 4.948 ug/L | 98 |
| 61) Bromoform | 9.78 | 173 | 22207 | 4.892 ug/L | 98 |
| 62) 1,3-Dichlorobenzene | 11.23 | 146 | 104914 | 4.991 ug/L | 95 |
| 63) 1,4-Dichlorobenzene | 11.32 | 146 | 104122 | 5.004 ug/L | 98 |
| 65) 1,2-Dichlorobenzene | 11.69 | 146 | 98067 | 4.867 ug/L | 100 |
| 66) 1,2-Dibromo-3-chloropropan | 12.48 | 75 | 6987 | 4.597 ug/L | 91 |
| 67) 1,3,5-Trichlorobenzene | 12.70 | 180 | 70371 | 5.175 ug/L | 98 |
| 68) 1,2,4-trichlorobenzene | 13.31 | 180 | 55411 | 5.724 ug/L | 99 |
| 69) Naphthalene | 13.56 | 128 | 95525 | 5.293 ug/L | 99 |
| 70) 1,2,3-Trichlorobenzene | 13.80 | 180 | 52461 | 5.458 ug/L | 99 |

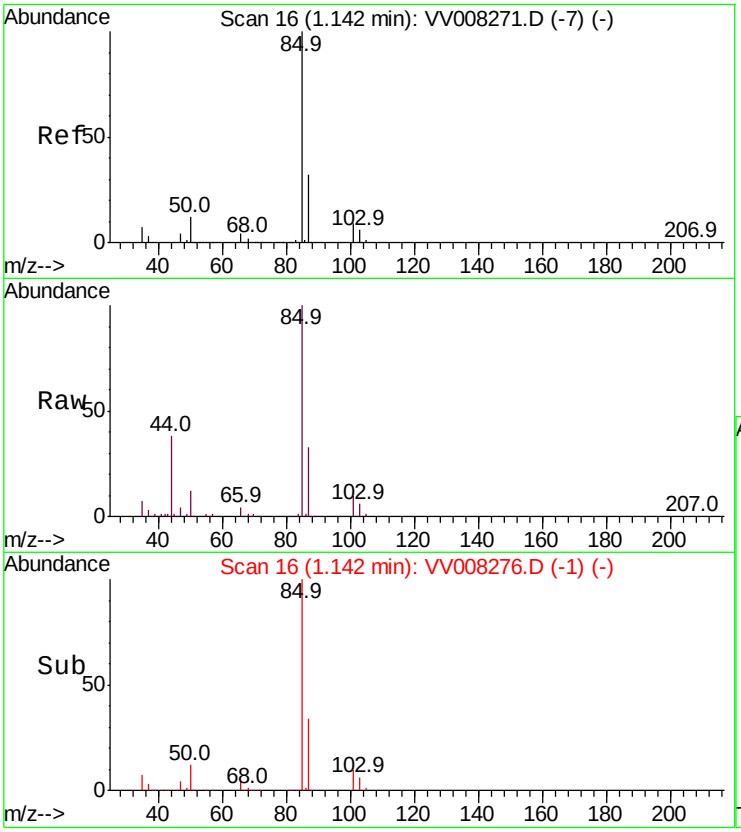
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV101518\
Data File : VV008276.D
Acq On : 15 Oct 2018 15:47
Operator : SY/MD
Sample : VSTDICV005
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Oct 16 05:21:33 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 16 05:17:07 2018
Response via : Initial Calibration



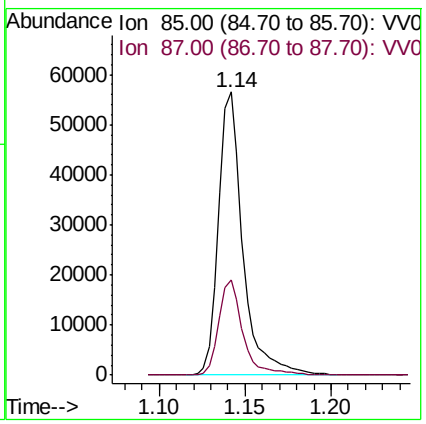


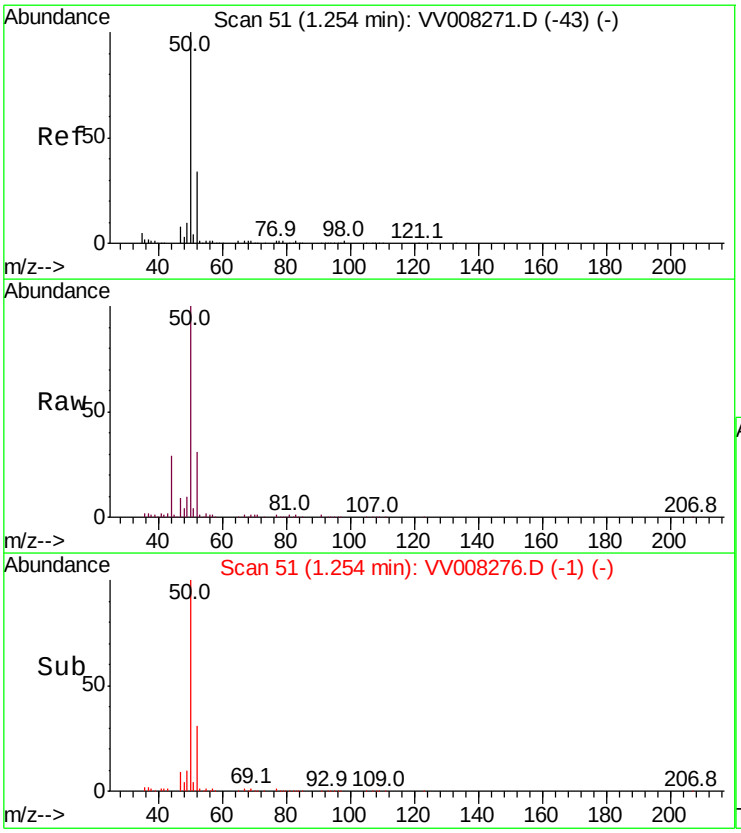

#2
Dichlorodifluoromethane
Concen: 4.826 ug/L
RT: 1.14 min Scan# 16
Delta R.T. 0.00 min
Lab File: VV008276.D
Acq: 15 Oct 2018 15:47

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

Tgt Ion: 85 Resp: 56115

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 33.1 | 25.8 | 38.6 |

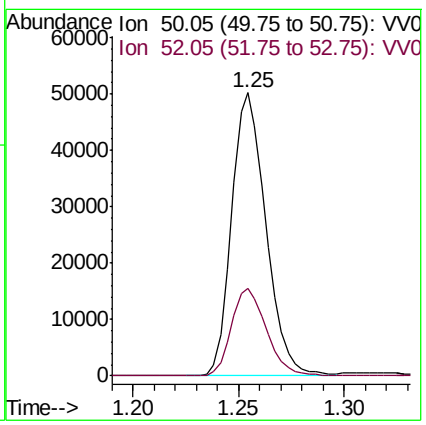


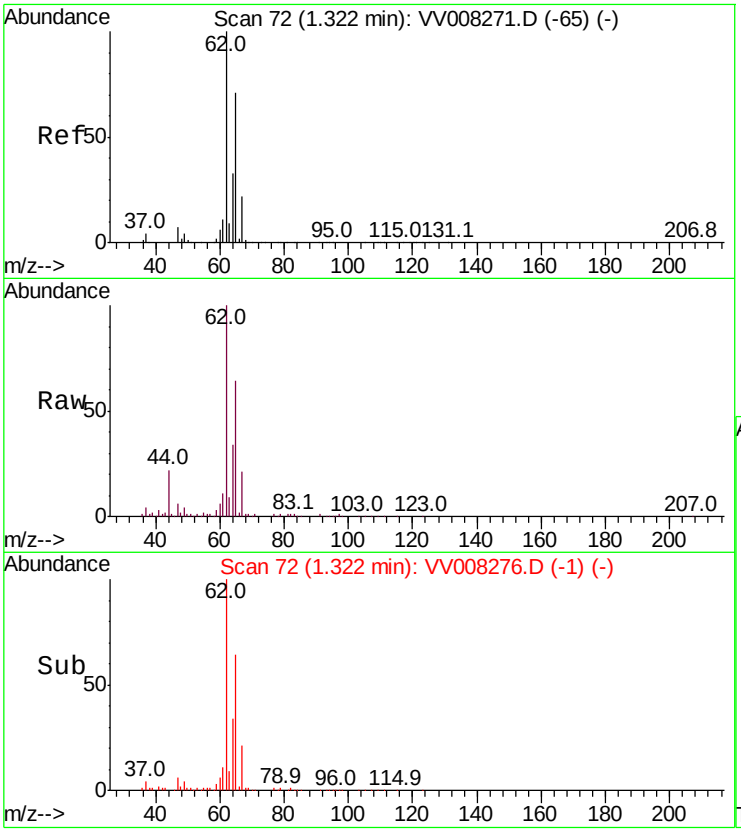




#3
Chloromethane
Concen: 4.761 ug/L
RT: 1.25 min Scan# 51
Delta R.T. 0.00 min
Lab File: VV008276.D
Acq: 15 Oct 2018 15:47

Tgt Ion: 50 Resp: 56508

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 31.1 | 23.7 | 43.9 |



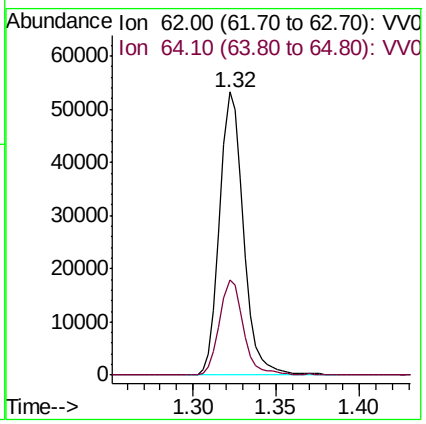


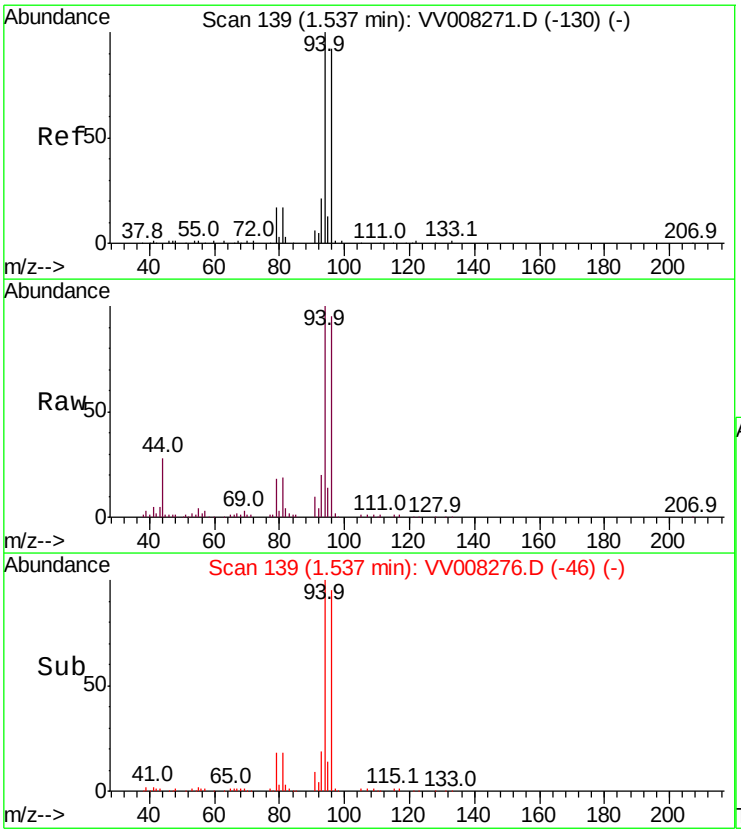

#5
Vinyl chloride
Concen: 4.758 ug/L
RT: 1.32 min Scan# 72
Delta R.T. 0.00 min
Lab File: VV008276.D
Acq: 15 Oct 2018 15:47

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

Tgt Ion: 62 Resp: 53466

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 33.7 | 22.9 | 42.5 |

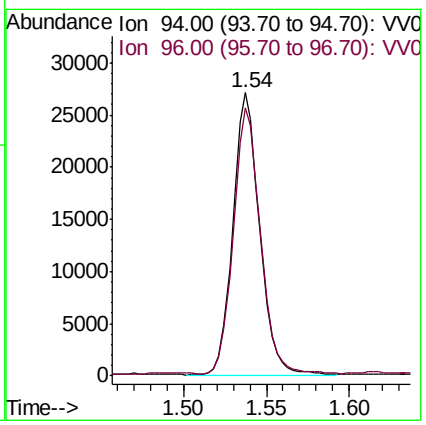


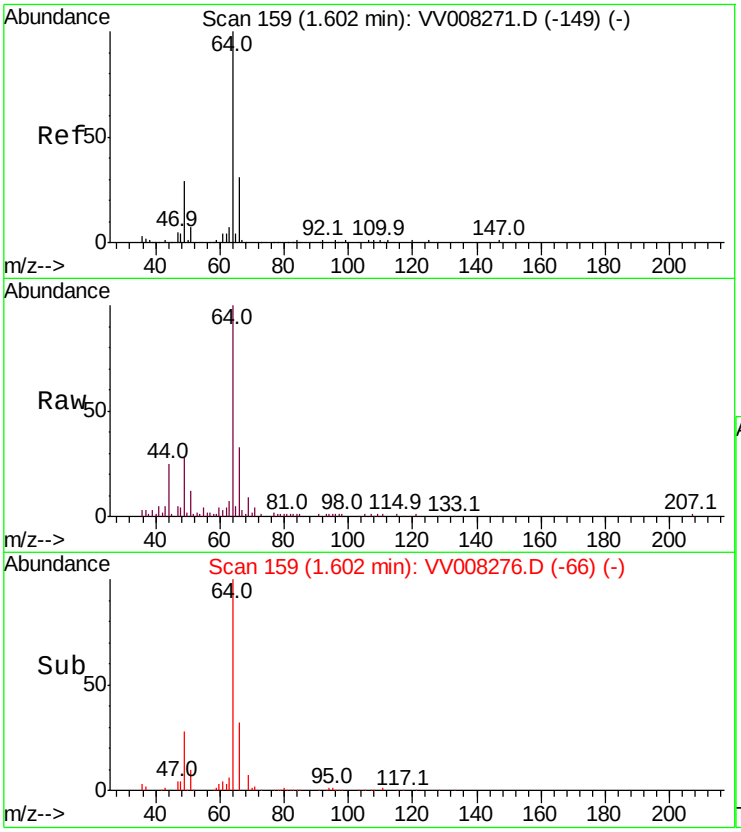




#6
Bromomethane
Concen: 4.790 ug/L
RT: 1.54 min Scan# 139
Delta R.T. 0.00 min
Lab File: VV008276.D
Acq: 15 Oct 2018 15:47

Tgt Ion: 94 Resp: 30800

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 94.6 | 65.0 | 120.8 |



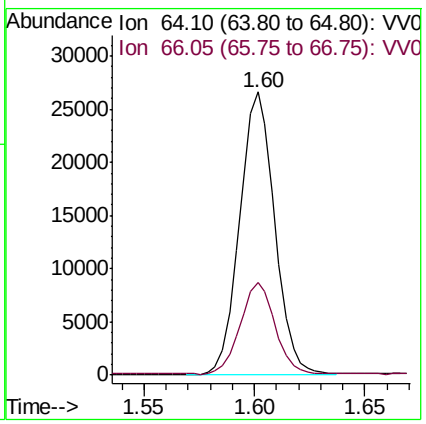


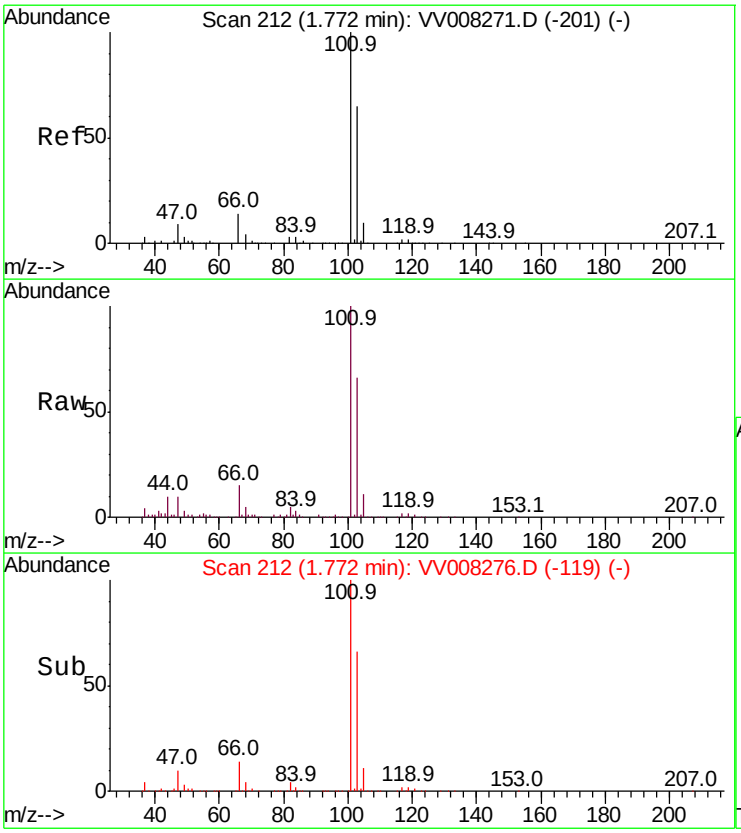

#8
Chloroethane
Concen: 5.054 ug/L
RT: 1.60 min Scan# 159
Delta R.T. 0.00 min
Lab File: VV008276.D
Acq: 15 Oct 2018 15:47

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

Tgt Ion: 64 Resp: 29520

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 32.6 | 22.5 | 41.9 |

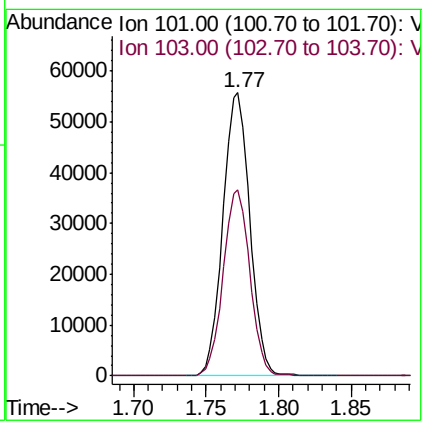


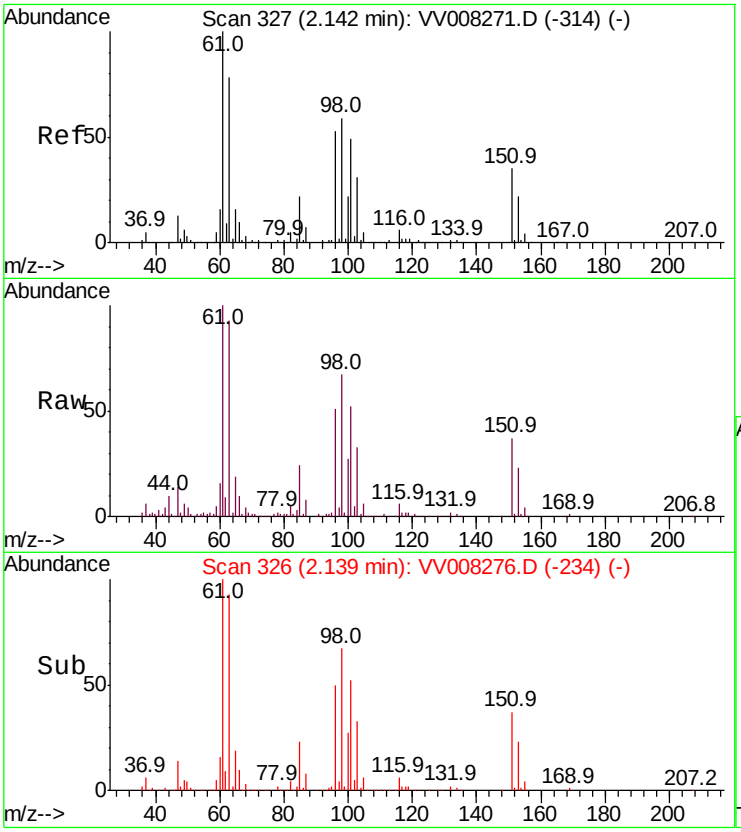




#9
Trichlorofluoromethane
Concen: 5.236 ug/L
RT: 1.77 min Scan# 212
Delta R.T. 0.00 min
Lab File: VV008276.D
Acq: 15 Oct 2018 15:47

Tgt Ion:101 Resp: 71532

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.4 | 51.8 | 77.6 |



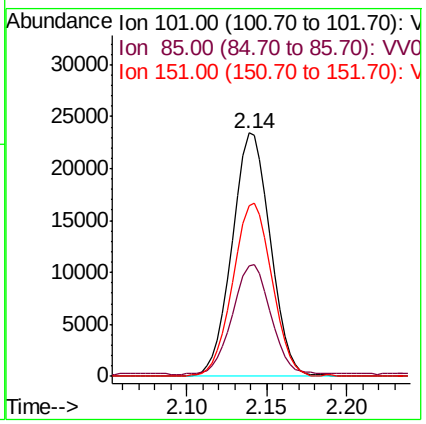


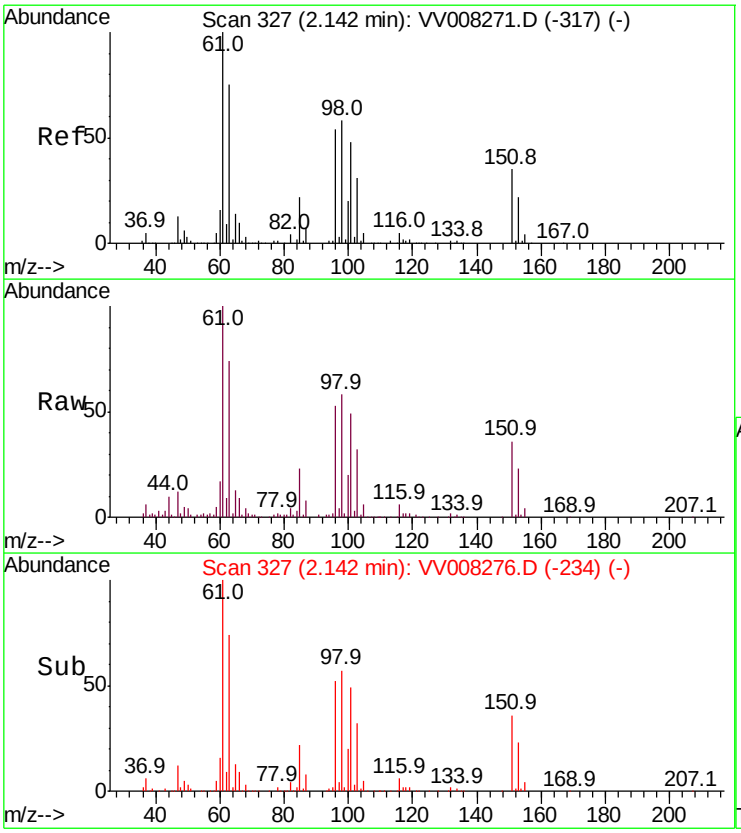

#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.902 ug/L
RT: 2.14 min Scan# 326
Delta R.T. -0.00 min
Lab File: VV008276.D
Acq: 15 Oct 2018 15:47

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

Tgt Ion:101 Resp: 38216

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 45.0 | 37.4 | 56.2 |
| 151 | 72.9 | 59.0 | 88.6 |

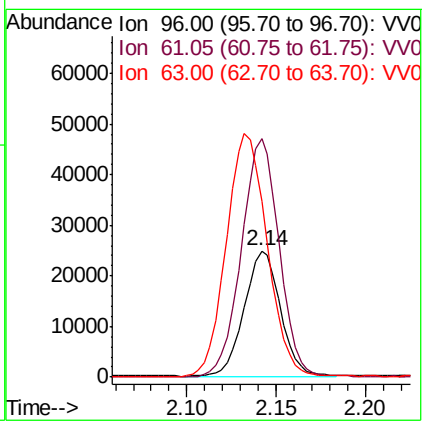


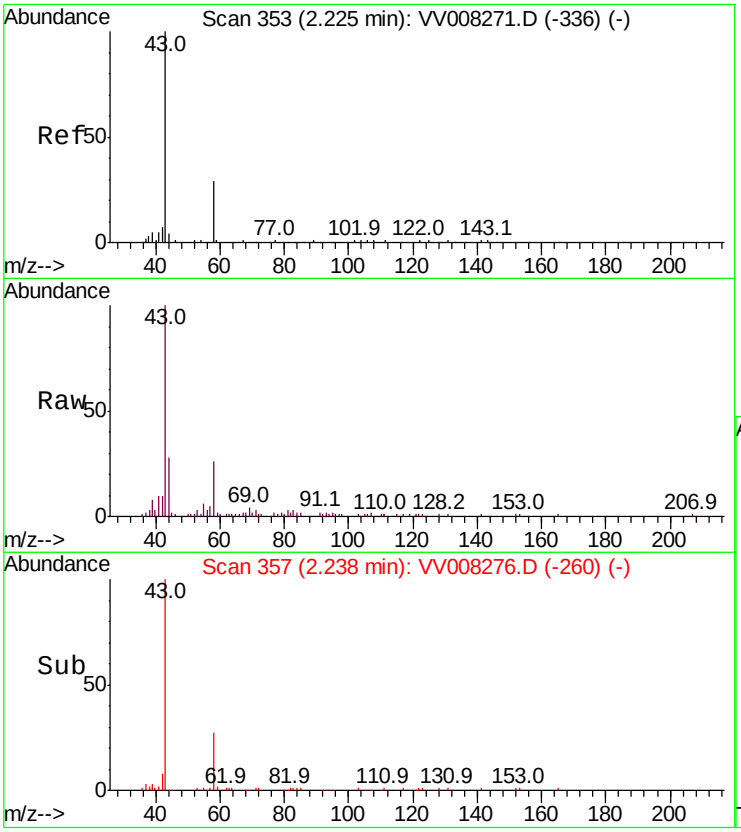




#12
1,1-Dichloroethene
Concen: 4.853 ug/L
RT: 2.14 min Scan# 327
Delta R.T. 0.00 min
Lab File: VV008276.D
Acq: 15 Oct 2018 15:47

Tgt Ion: 96 Resp: 35210

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 188.5 | 129.9 | 241.3 |
| 63 | 138.9 | 103.0 | 191.4 |



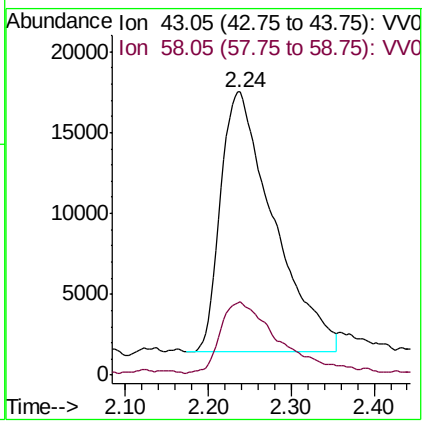


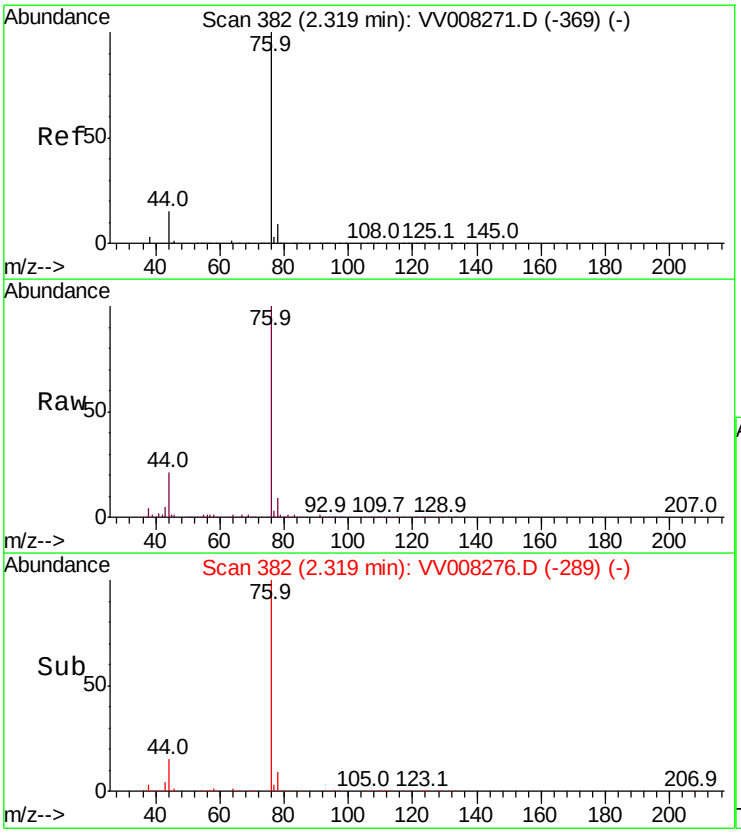

#13
Acetone
Concen: 46.030 ug/L
RT: 2.24 min Scan# 357
Delta R.T. 0.01 min
Lab File: VV008276.D
Acq: 15 Oct 2018 15:47

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

Tgt Ion: 43 Resp: 71295

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.8 | 0.0 | 62.0 |

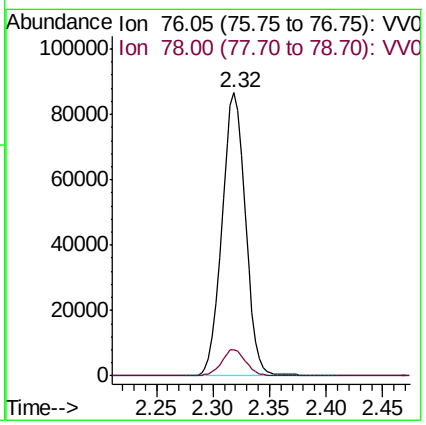


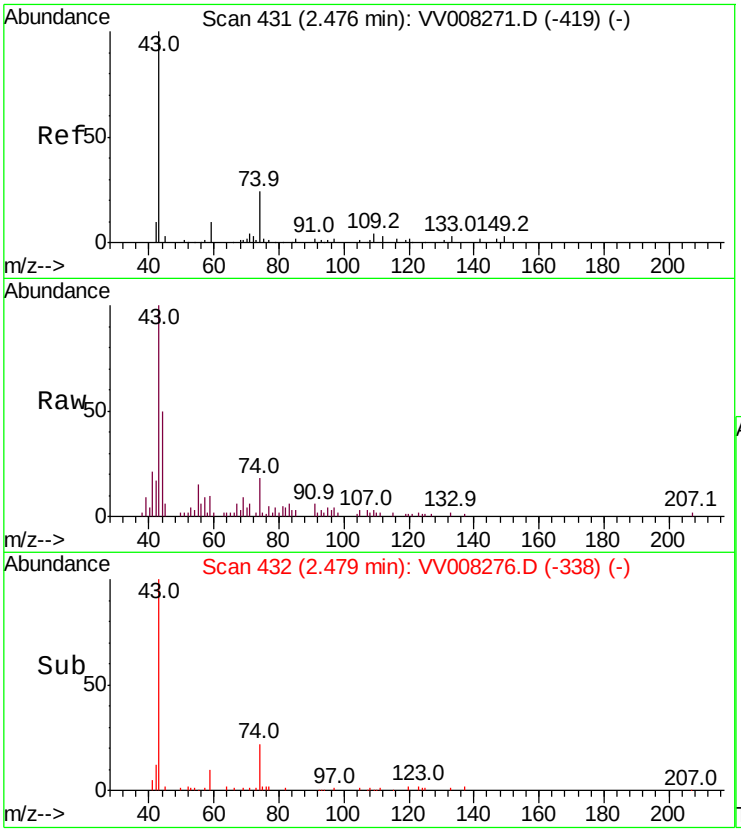




#14
Carbon disulfide
Concen: 5.024 ug/L
RT: 2.32 min Scan# 382
Delta R.T. 0.00 min
Lab File: VV008276.D
Acq: 15 Oct 2018 15:47

Tgt Ion: 76 Resp: 125396

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.4 | 7.4 | 11.2 |



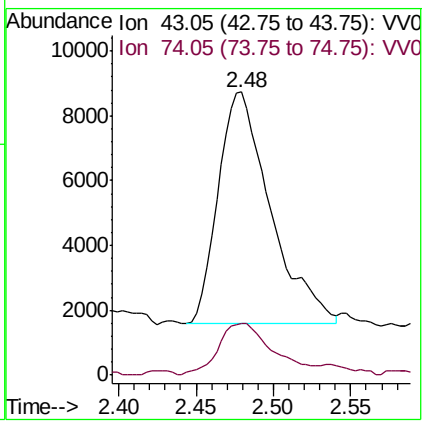


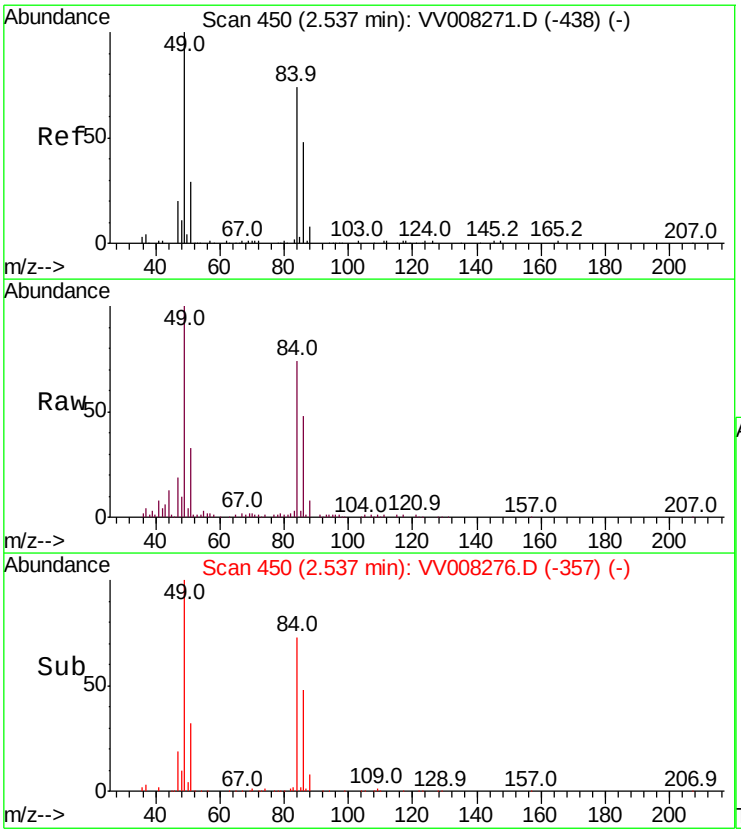

#15
Methyl Acetate
Concen: 4.362 ug/L
RT: 2.48 min Scan# 432
Delta R.T. 0.00 min
Lab File: VV008276.D
Acq: 15 Oct 2018 15:47

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

Tgt Ion: 43 Resp: 16805

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.5 | 20.0 | 30.0 |

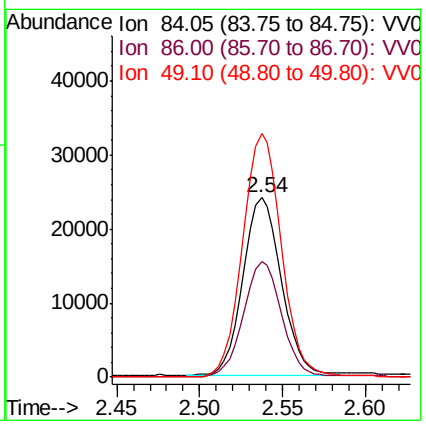


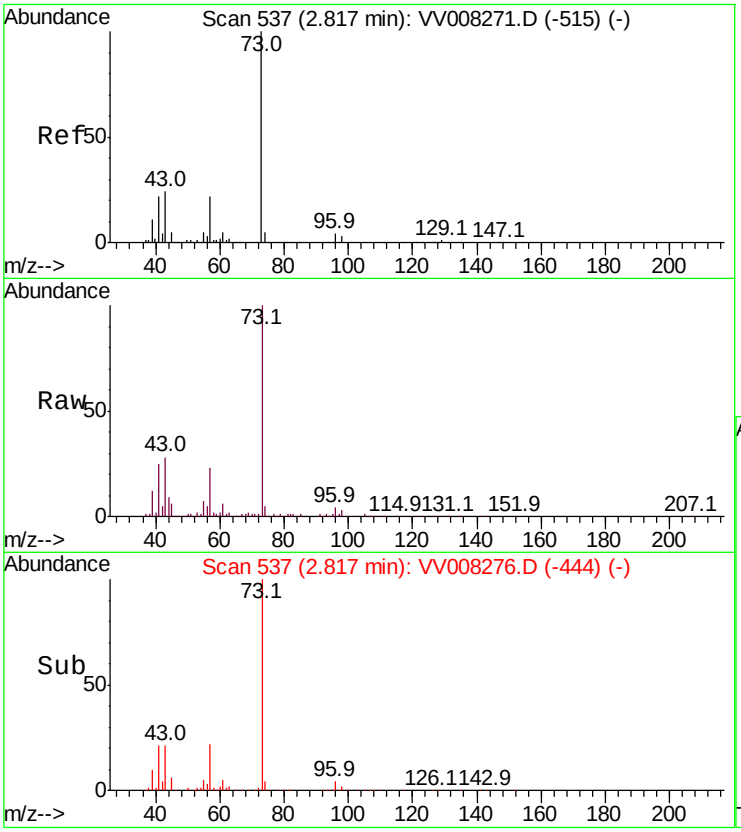




#16
Methylene chloride
Concen: 4.599 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV008276.D
Acq: 15 Oct 2018 15:47

Tgt Ion: 84 Resp: 38616

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 64.9 | 45.0 | 83.6 |
| 49 | 136.0 | 92.9 | 172.5 |



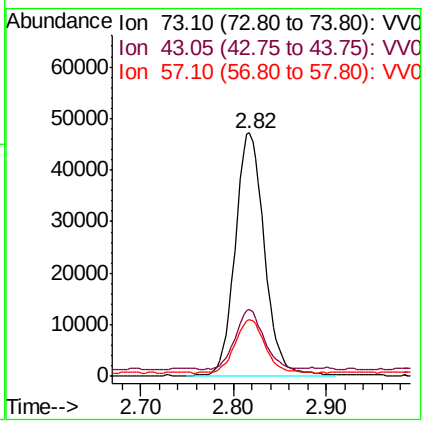


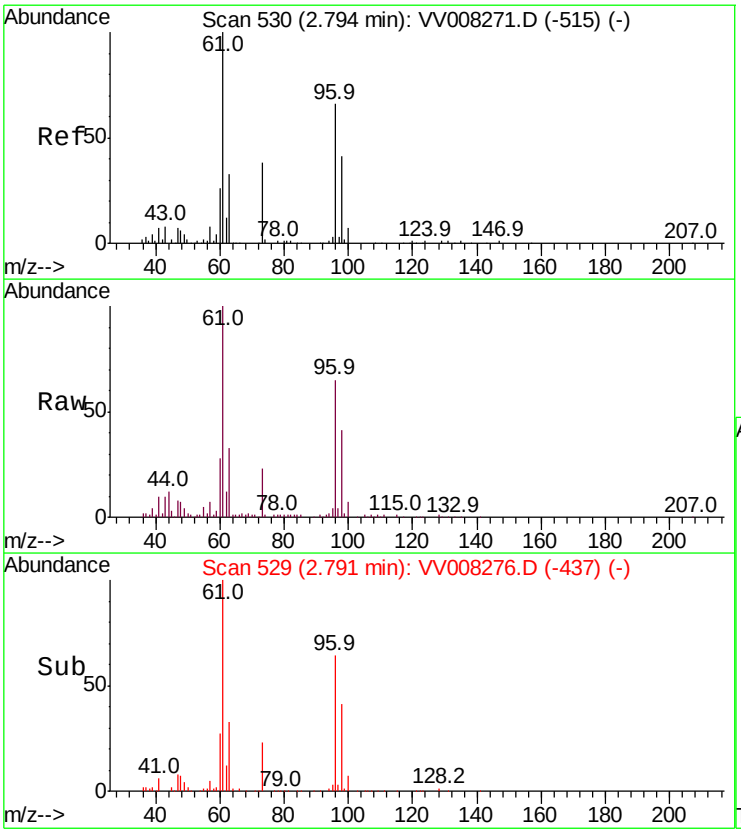

#17
Methyl tert-butyl Ether
Concen: 5.042 ug/L
RT: 2.82 min Scan# 537
Delta R.T. 0.00 min
Lab File: VV008276.D
Acq: 15 Oct 2018 15:47

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

Tgt Ion: 73 Resp: 103905

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 43 | 23.5 | 19.0 | 28.6 |
| 57 | 22.2 | 18.2 | 27.2 |

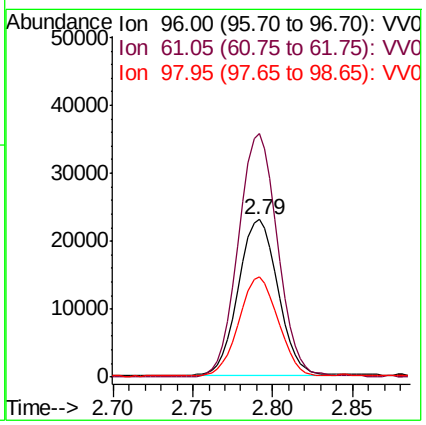


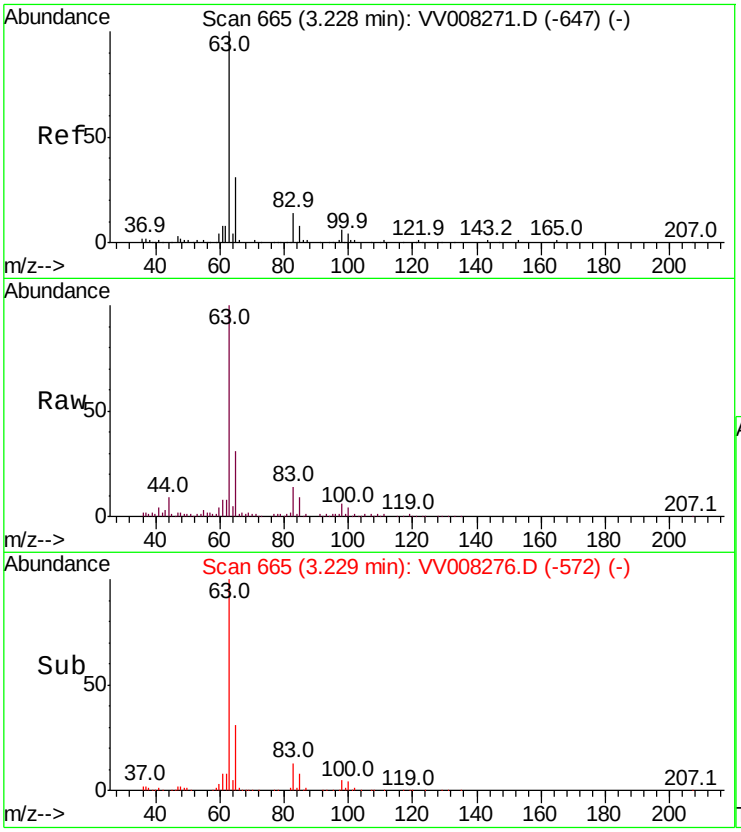




#18
trans-1,2-Dichloroethene
Concen: 4.953 ug/L
RT: 2.79 min Scan# 529
Delta R.T. -0.00 min
Lab File: VV008276.D
Acq: 15 Oct 2018 15:47

Tgt Ion: 96 Resp: 38660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 154.7 | 104.6 | 194.2 |
| 98 | 63.6 | 44.1 | 81.9 |



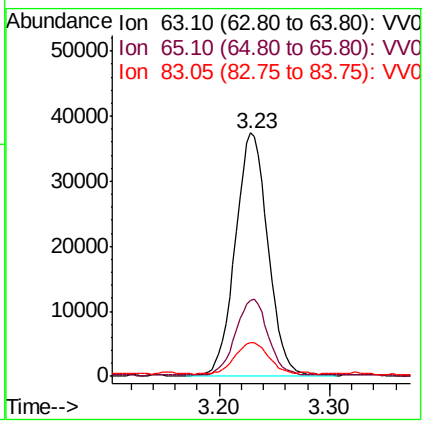


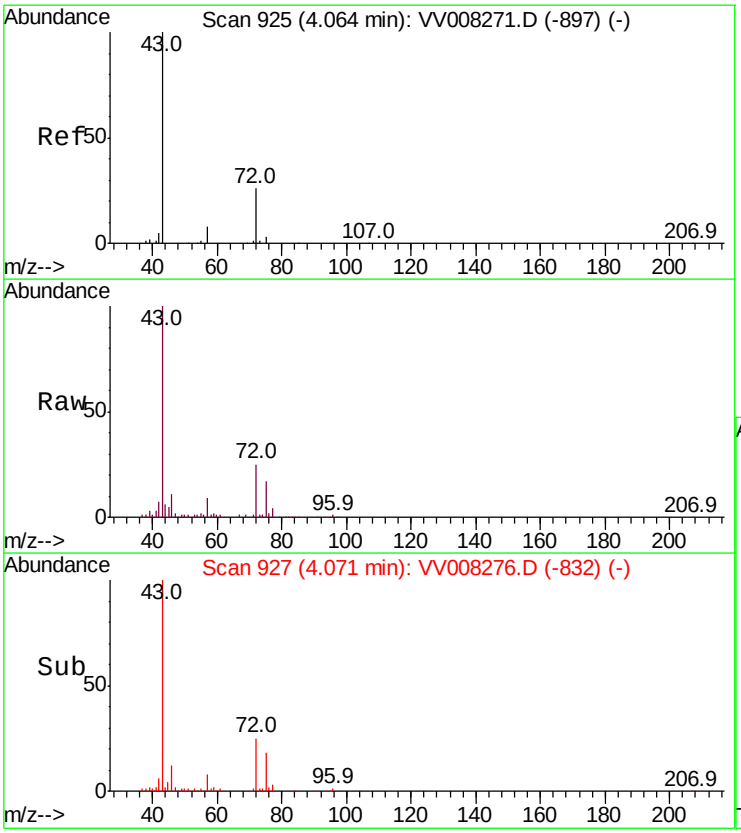

#19
1,1-Dichloroethane
Concen: 4.725 ug/L
RT: 3.23 min Scan# 665
Delta R.T. 0.00 min
Lab File: VV008276.D
Acq: 15 Oct 2018 15:47

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

Tgt Ion: 63 Resp: 76196

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.4 | 22.6 | 42.0 |
| 83 | 14.0 | 11.0 | 20.4 |

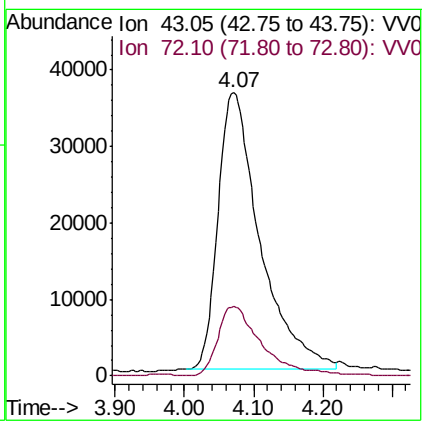


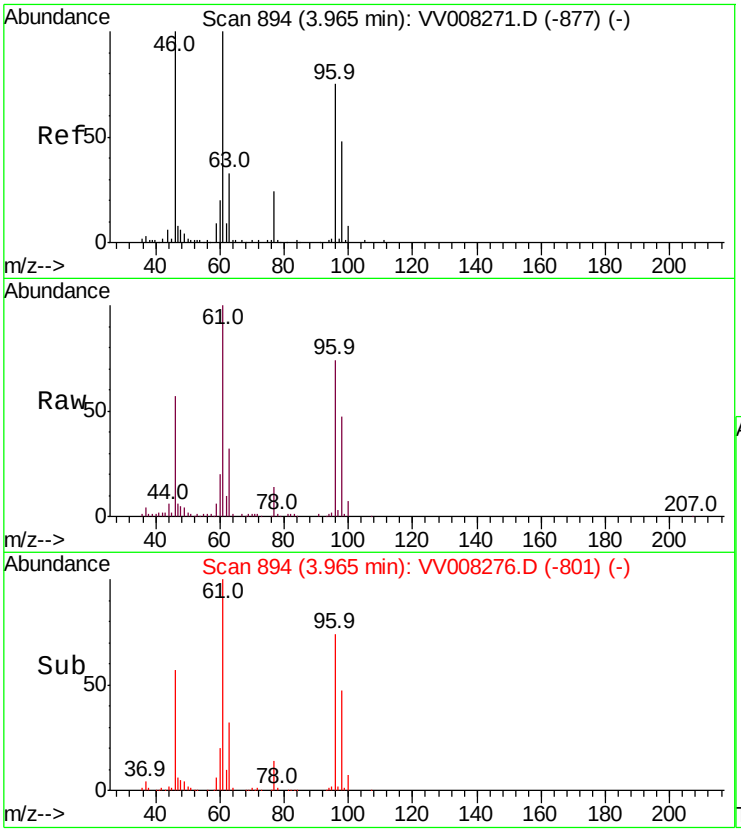




#21
2-Butanone
Concen: 47.613 ug/L
RT: 4.07 min Scan# 927
Delta R.T. 0.01 min
Lab File: VV008276.D
Acq: 15 Oct 2018 15:47

Tgt Ion: 43 Resp: 153127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 25.3 | 12.9 | 38.7 |



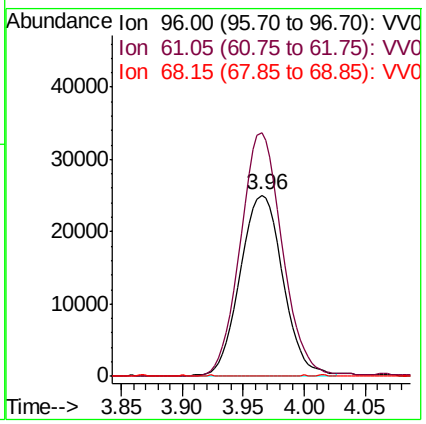


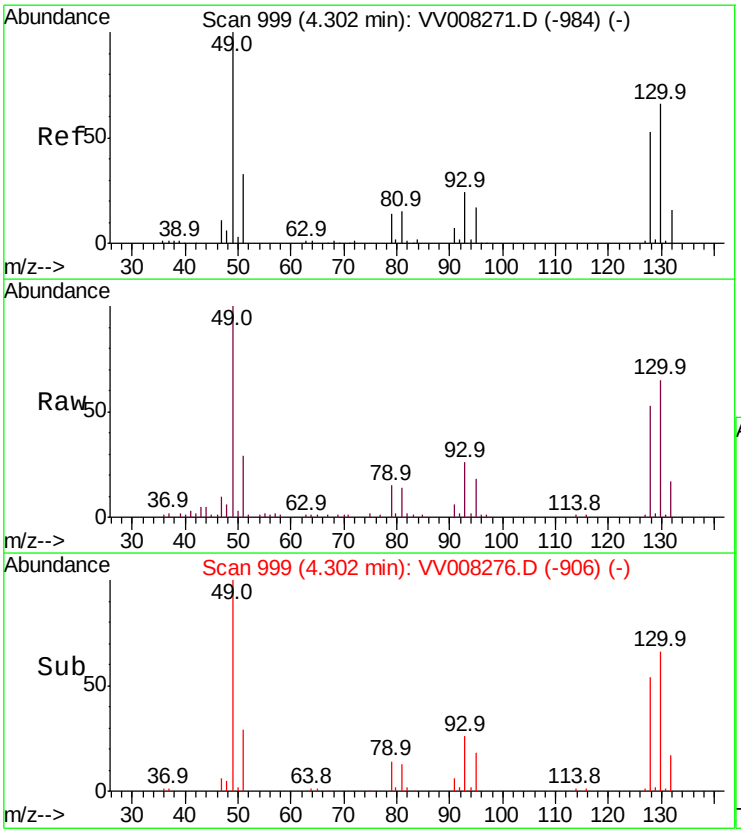

#22
cis-1,2-Dichloroethene
Concen: 4.860 ug/L
RT: 3.96 min Scan# 894
Delta R.T. 0.00 min
Lab File: VV008276.D
Acq: 15 Oct 2018 15:47

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

Tgt Ion: 96 Resp: 61251

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 134.3 | 93.7 | 174.1 |
| 68 | 0.5 | 0.6 | 1.2# |

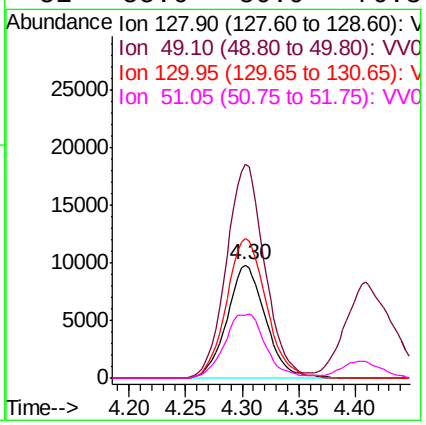


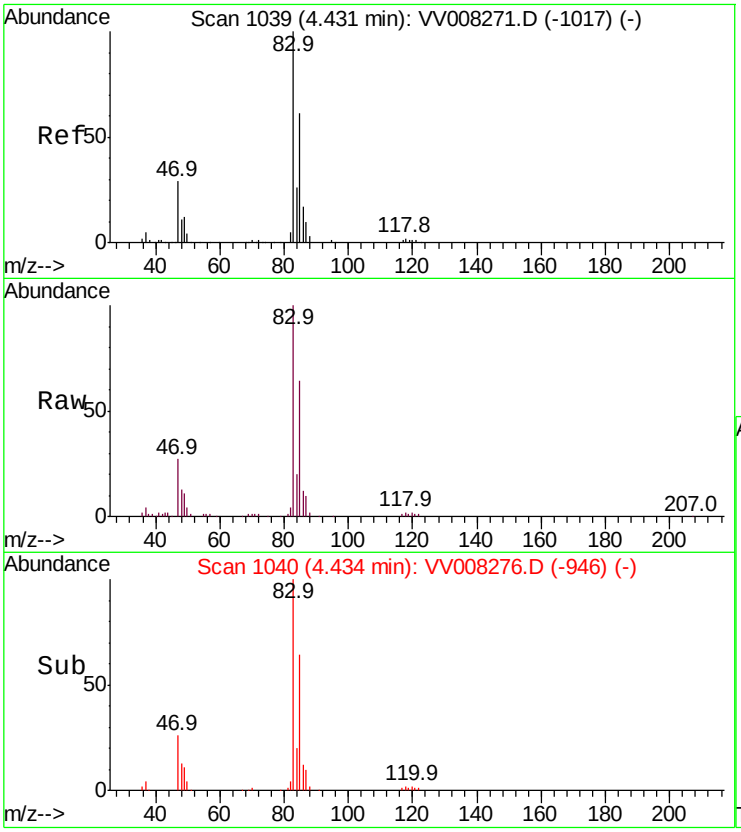




#23
Bromochloromethane
Concen: 4.954 ug/L
RT: 4.30 min Scan# 999
Delta R.T. 0.00 min
Lab File: VV008276.D
Acq: 15 Oct 2018 15:47

Tgt Ion:128 Resp: 23147

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 49 | 189.0 | 131.3 | 243.9 |
| 130 | 123.1 | 86.0 | 159.8 |
| 51 | 55.6 | 50.9 | 76.3 |



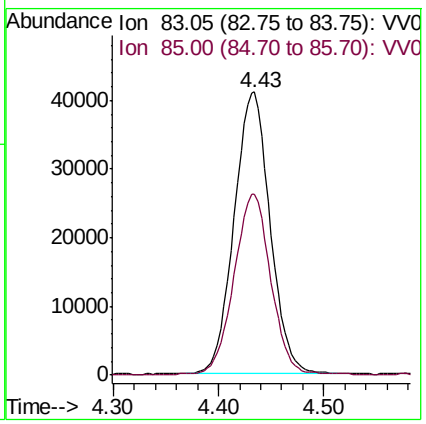


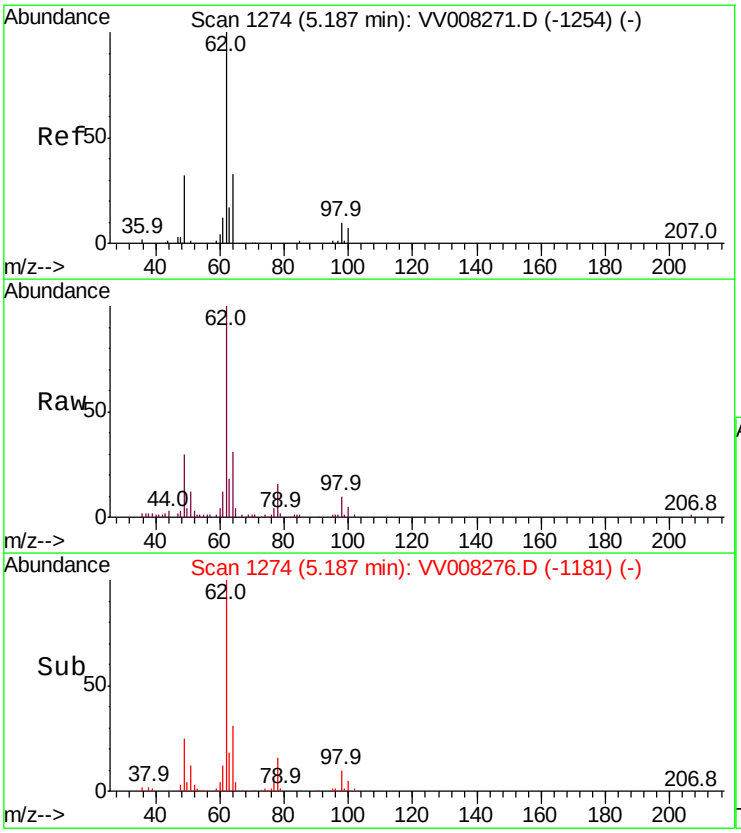

#25
Chloroform
Concen: 4.912 ug/L
RT: 4.43 min Scan# 1040
Delta R.T. 0.00 min
Lab File: VV008276.D
Acq: 15 Oct 2018 15:47

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

Tgt Ion: 83 Resp: 97090

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.8 | 43.4 | 80.6 |

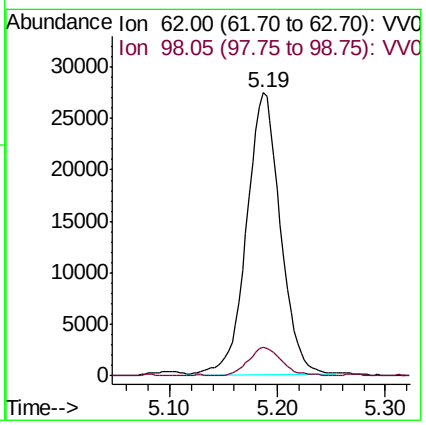


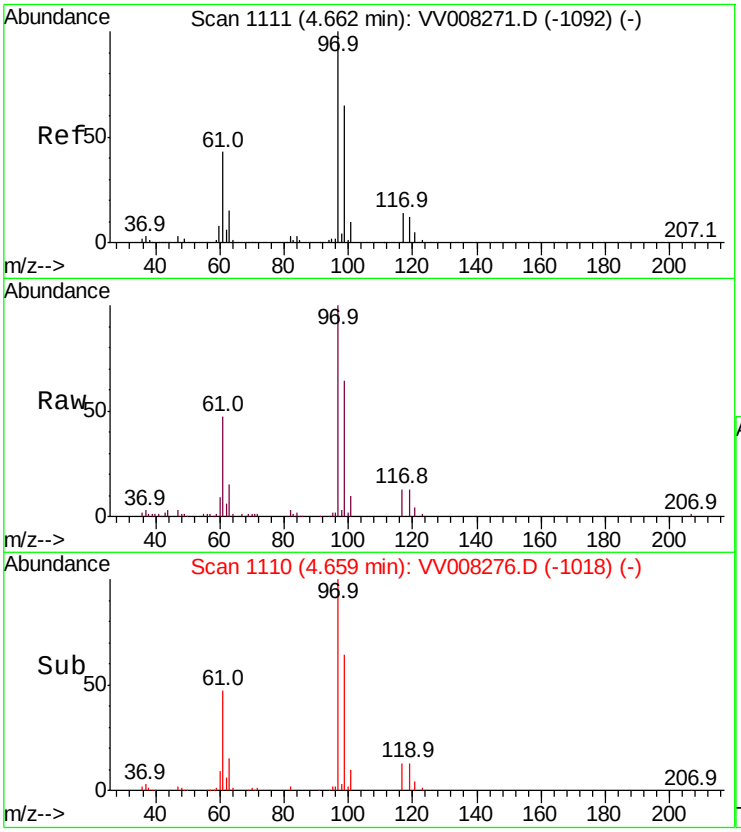




#27
1,2-Dichloroethane
Concen: 5.044 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. 0.00 min
Lab File: VV008276.D
Acq: 15 Oct 2018 15:47

Tgt Ion: 62 Resp: 59272

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.9 | 7.6 | 11.4 |



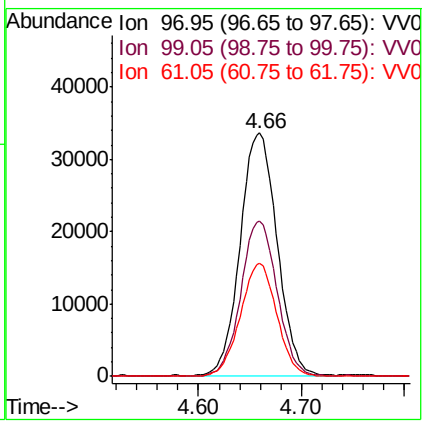


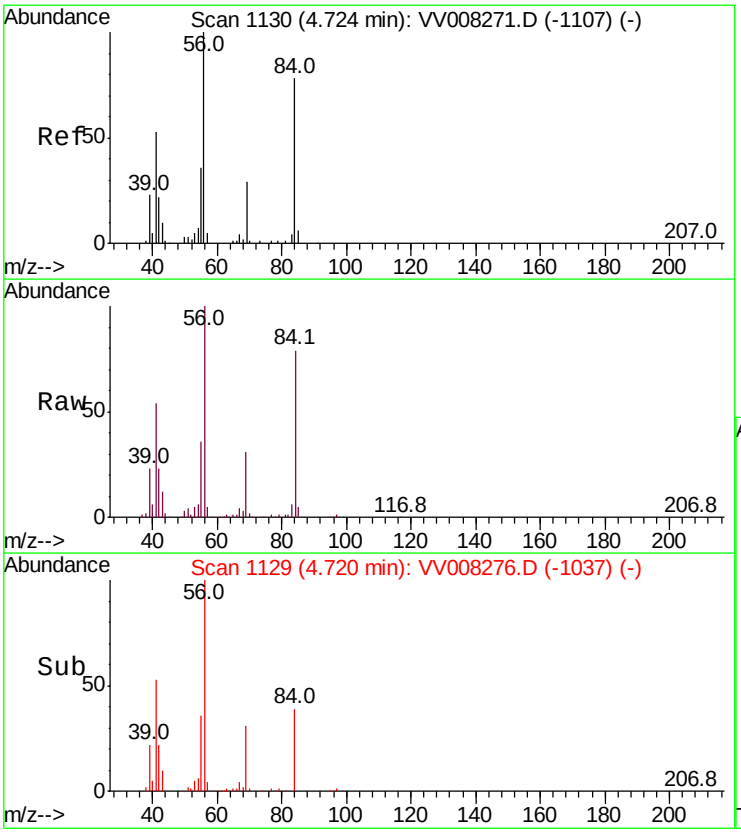

#29
1,1,1-Trichloroethane
Concen: 4.872 ug/L
RT: 4.66 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VV008276.D
Acq: 15 Oct 2018 15:47

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

Tgt Ion: 97 Resp: 84339

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 62.3 | 51.6 | 77.4 |
| 61 | 45.3 | 37.0 | 55.6 |

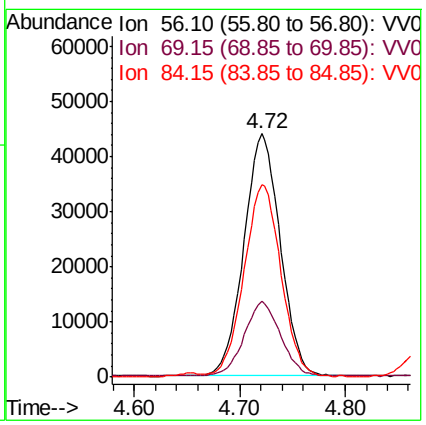


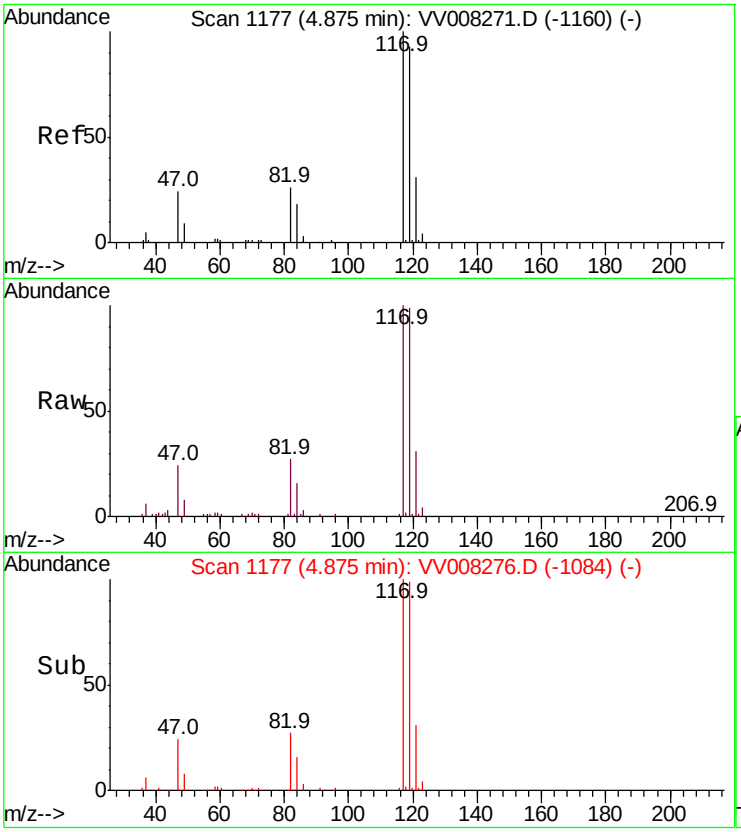




#30
Cyclohexane
Concen: 4.838 ug/L
RT: 4.72 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VV008276.D
Acq: 15 Oct 2018 15:47

Tgt Ion: 56 Resp: 105268

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 30.9 | 24.3 | 36.5 |
| 84 | 80.7 | 64.1 | 96.1 |



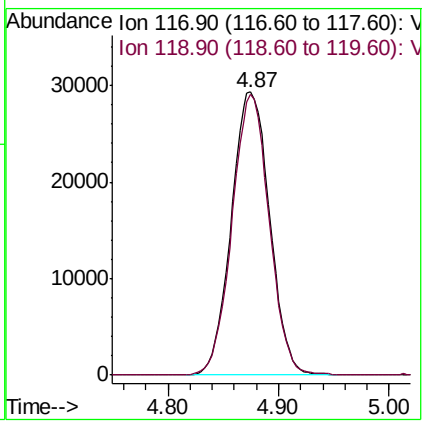


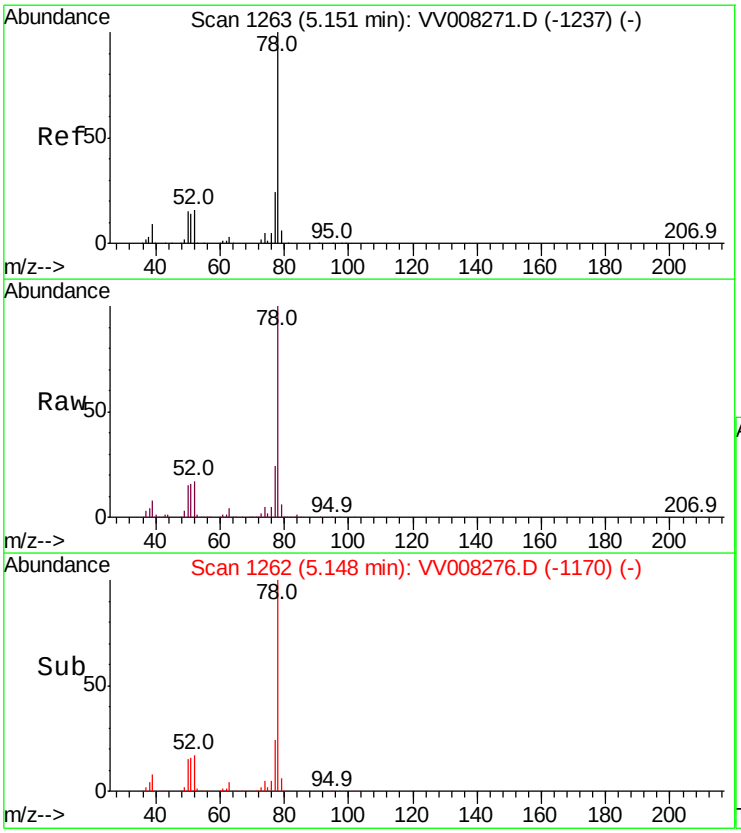

#31
Carbon tetrachloride
Concen: 4.849 ug/L
RT: 4.87 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VV008276.D
Acq: 15 Oct 2018 15:47

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

Tgt Ion:117 Resp: 70581

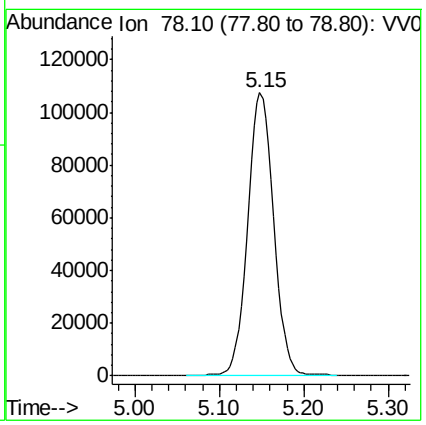
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.0 | 75.5 | 113.3 |

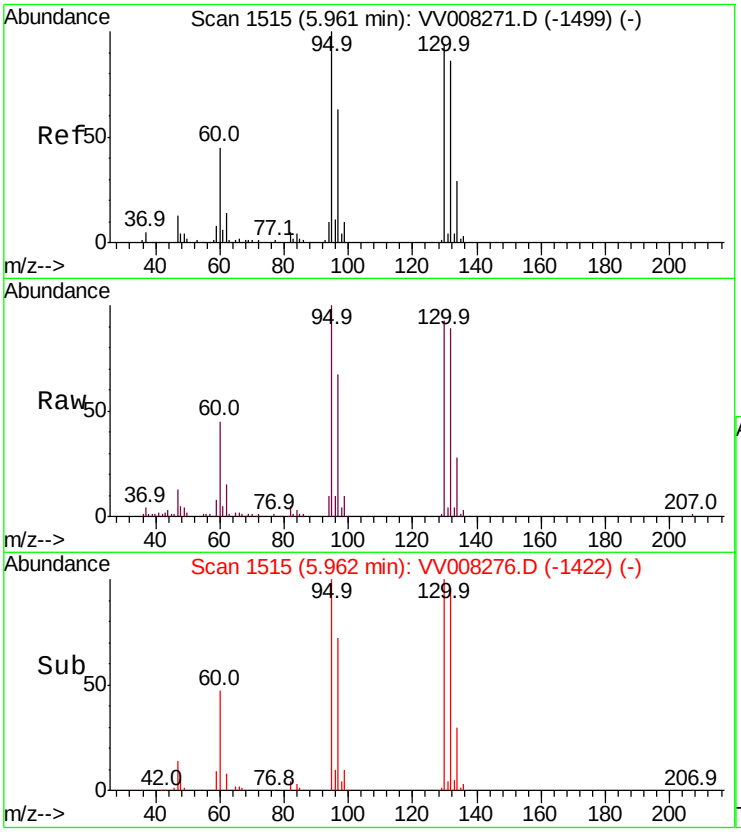



#33
Benzene
Concen: 4.928 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. -0.00 min
Lab File: VV008276.D
Acq: 15 Oct 2018 15:47

Tgt Ion: 78 Resp: 230838



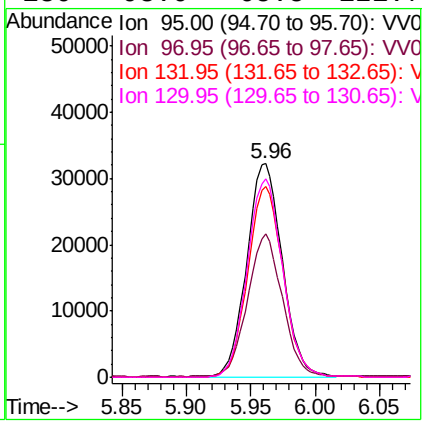


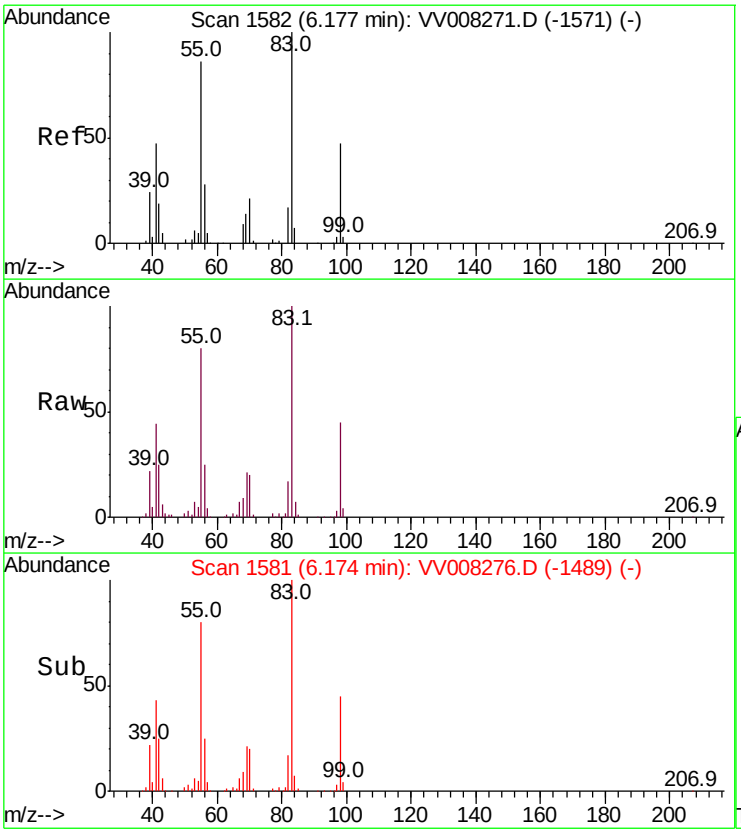

#34
Trichloroethene
Concen: 4.795 ug/L
RT: 5.96 min Scan# 1515
Delta R.T. 0.00 min
Lab File: VV008276.D
Acq: 15 Oct 2018 15:47

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

Tgt Ion: 95 Resp: 62241

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 67.1 | 44.4 | 82.4 |
| 132 | 89.4 | 60.4 | 112.2 |
| 130 | 93.0 | 65.5 | 121.7 |

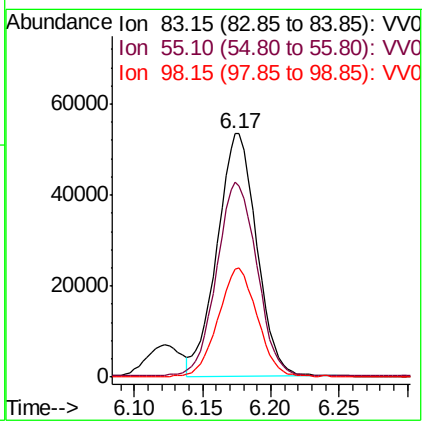


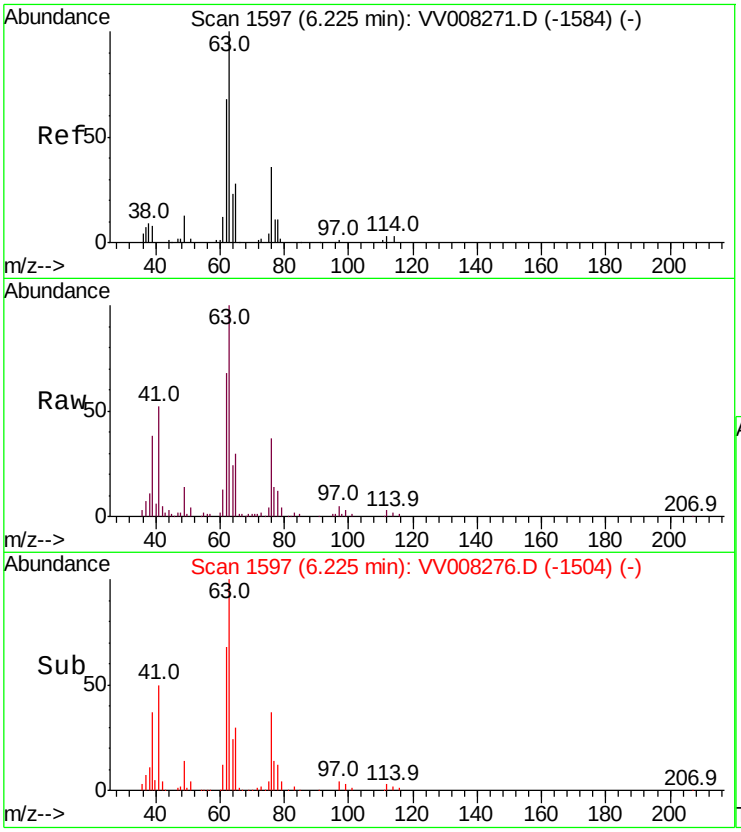




#35
Methylcyclohexane
Concen: 4.900 ug/L
RT: 6.17 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VV008276.D
Acq: 15 Oct 2018 15:47

Tgt Ion: 83 Resp: 107259

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 80.5 | 64.0 | 96.0 |
| 98 | 44.8 | 37.0 | 55.4 |



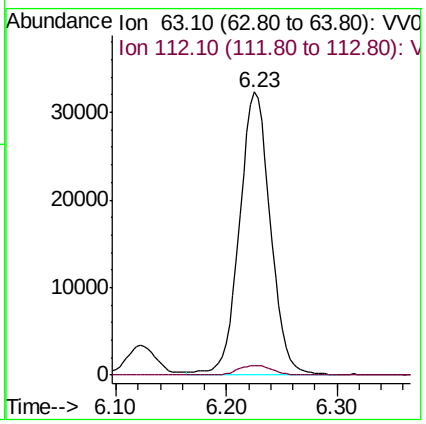


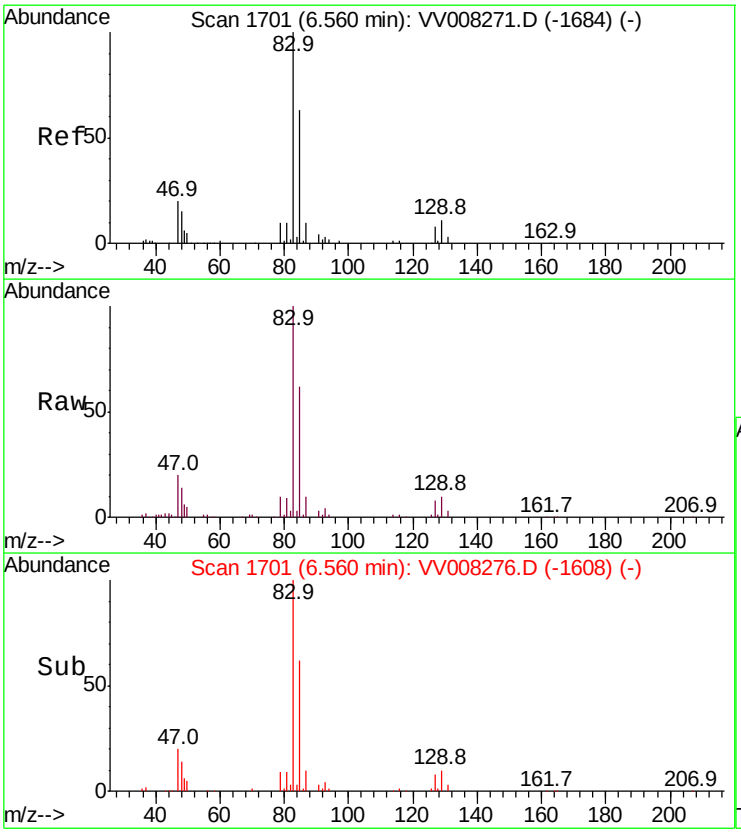

#37
1,2-Dichloropropane
Concen: 4.985 ug/L
RT: 6.23 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VV008276.D
Acq: 15 Oct 2018 15:47

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

Tgt Ion: 63 Resp: 63010

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 3.7 | 2.6 | 3.8 |

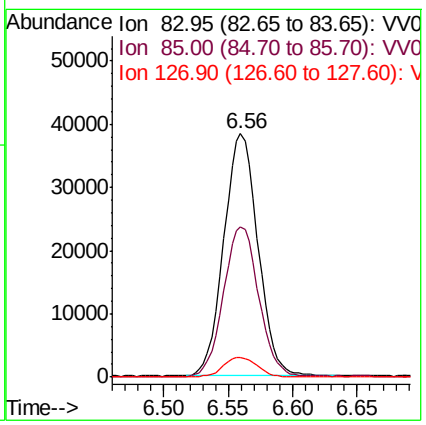


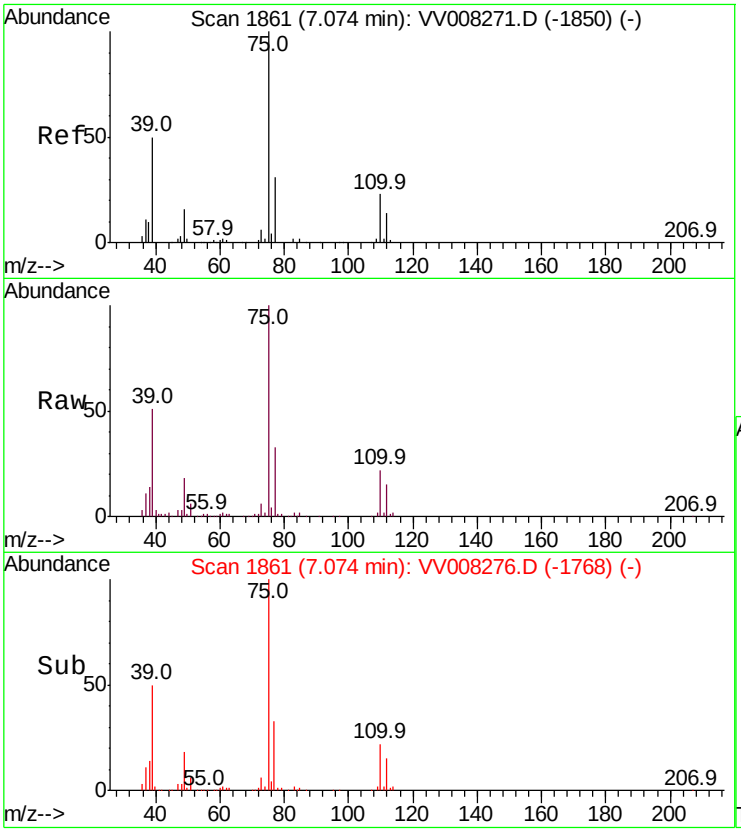




#38
Bromodichloromethane
Concen: 4.961 ug/L
RT: 6.56 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VV008276.D
Acq: 15 Oct 2018 15:47

Tgt Ion: 83 Resp: 70437

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 61.8 | 44.3 | 82.3 |
| 127 | 8.0 | 6.6 | 10.0 |



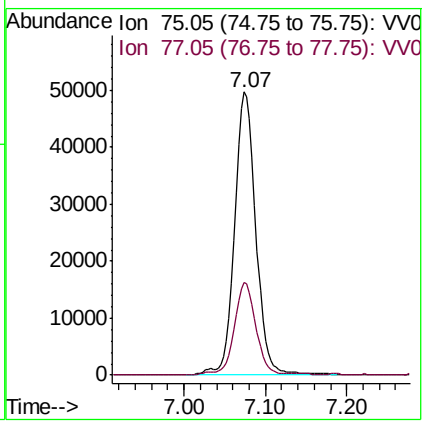


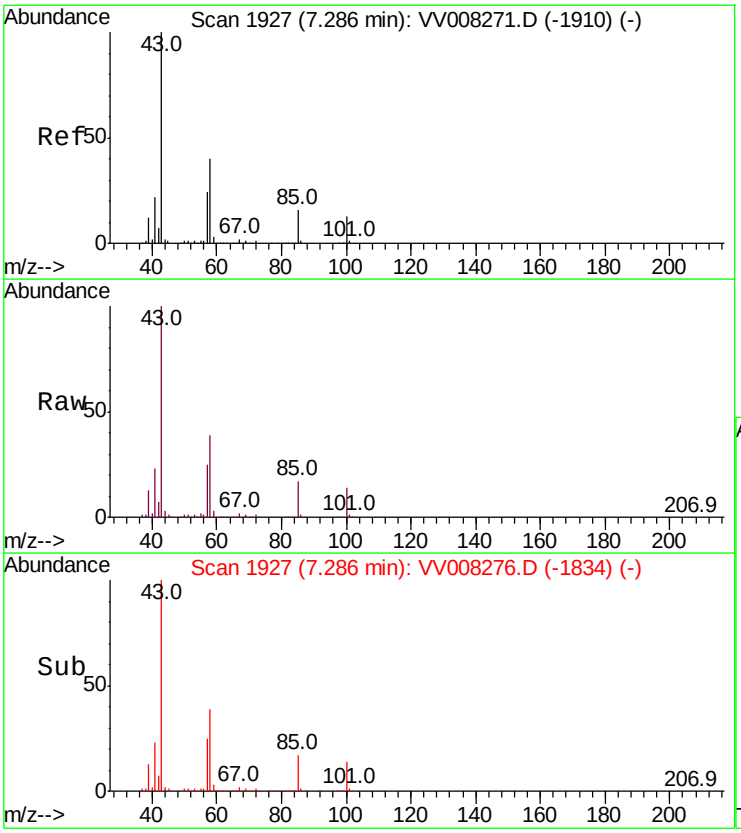

#39
cis-1,3-Dichloropropene
Concen: 5.034 ug/L
RT: 7.07 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VV008276.D
Acq: 15 Oct 2018 15:47

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

Tgt Ion: 75 Resp: 90790

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.7 | 22.3 | 41.3 |

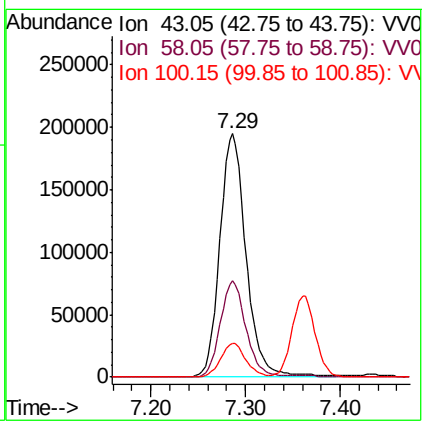


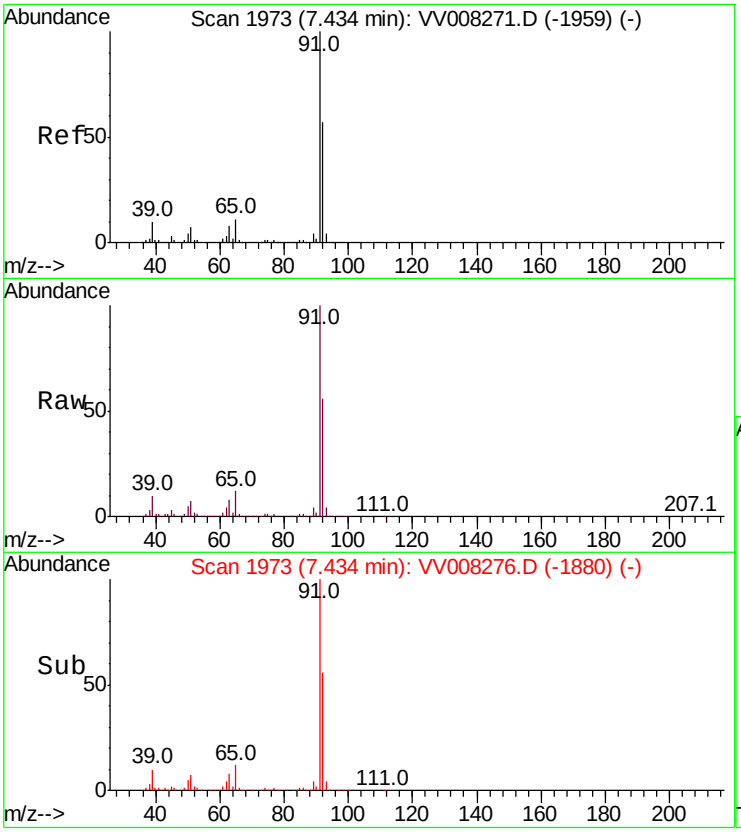




#40
4-Methyl-2-pentanone
Concen: 48.132 ug/L
RT: 7.29 min Scan# 1927
Delta R.T. 0.00 min
Lab File: VV008276.D
Acq: 15 Oct 2018 15:47

Tgt Ion: 43 Resp: 372585

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 38.8 | 31.3 | 46.9 |
| 100 | 13.4 | 10.5 | 15.7 |



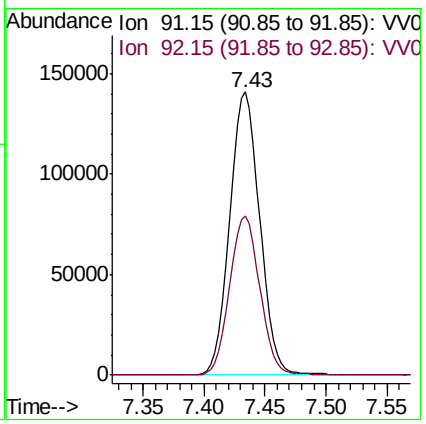


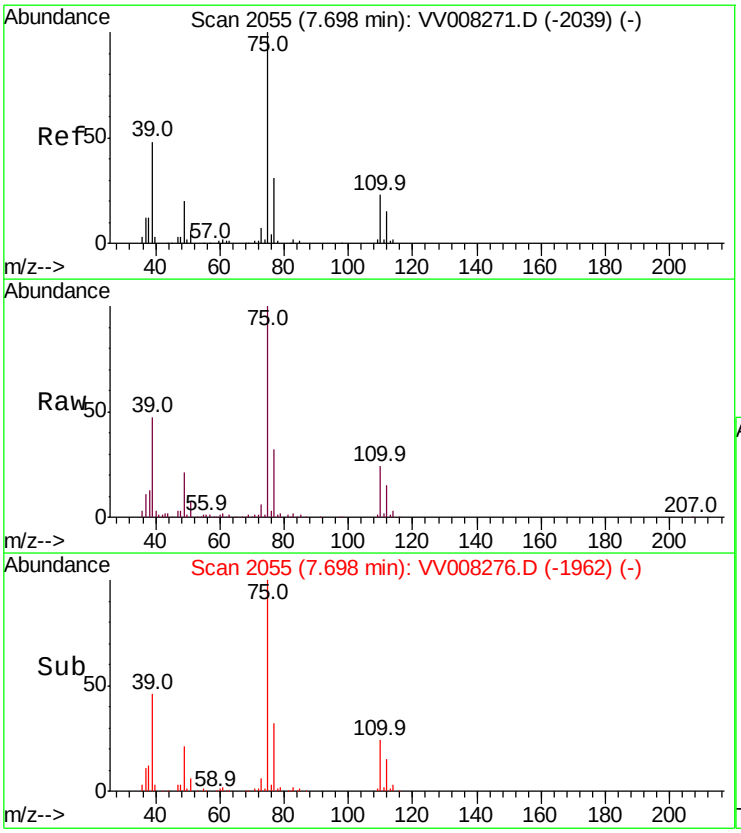

#42
Toluene
Concen: 4.947 ug/L
RT: 7.43 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VV008276.D
Acq: 15 Oct 2018 15:47

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

Tgt Ion: 91 Resp: 241584

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 56.5 | 40.1 | 74.5 |

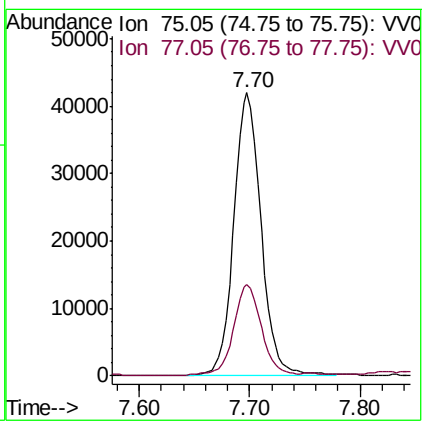


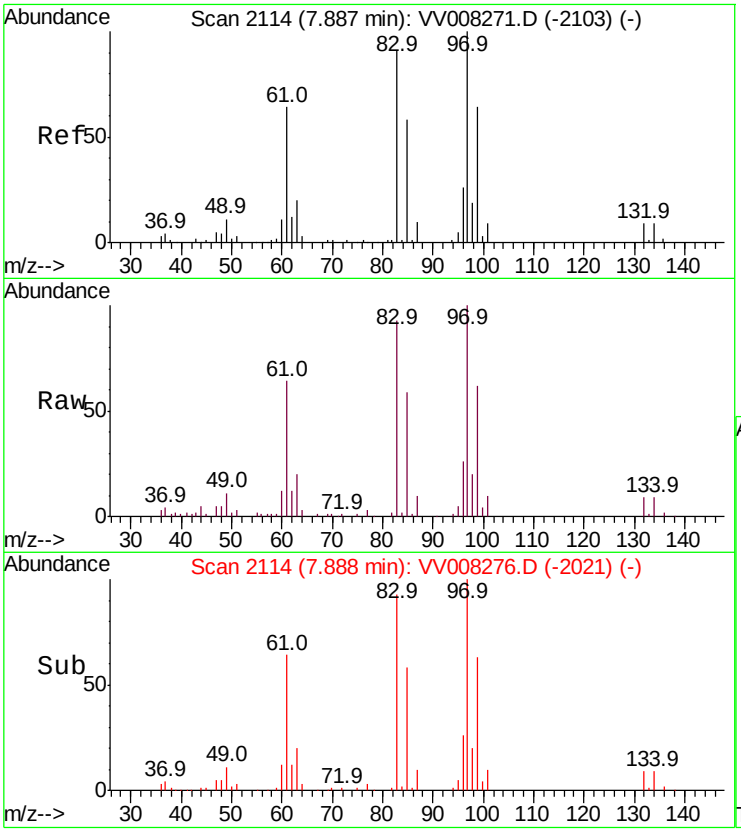




#44
trans-1,3-Dichloropropene
Concen: 5.009 ug/L
RT: 7.70 min Scan# 2055
Delta R.T. 0.00 min
Lab File: VV008276.D
Acq: 15 Oct 2018 15:47

Tgt Ion: 75 Resp: 72300

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.4 | 22.3 | 41.5 |



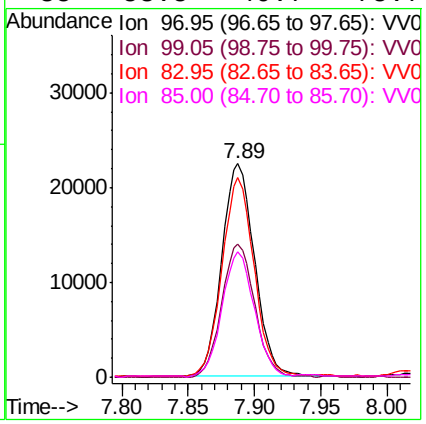


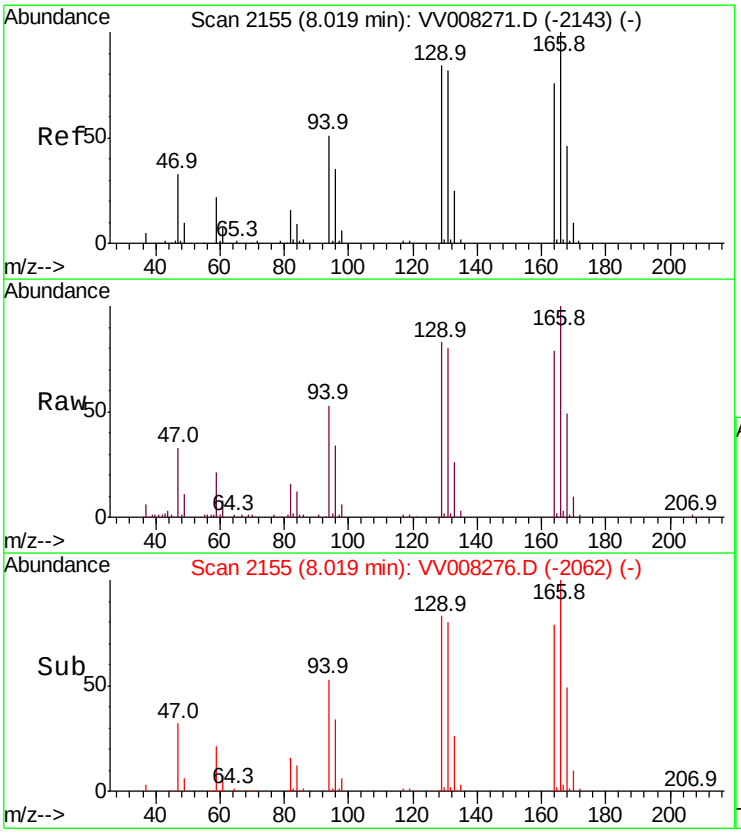

#45
1,1,2-Trichloroethane
Concen: 4.918 ug/L
RT: 7.89 min Scan# 2114
Delta R.T. 0.00 min
Lab File: VV008276.D
Acq: 15 Oct 2018 15:47

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

Tgt Ion: 97 Resp: 38593

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 62.1 | 44.1 | 81.9 |
| 83 | 93.3 | 63.7 | 118.3 |
| 85 | 58.5 | 40.7 | 75.7 |

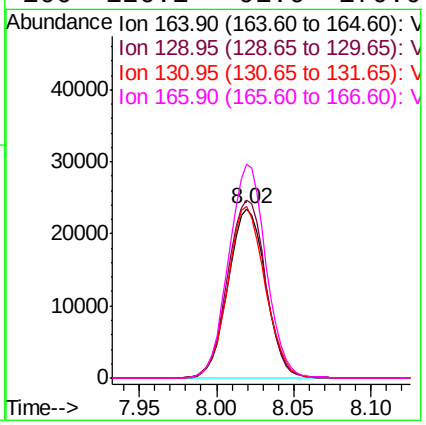


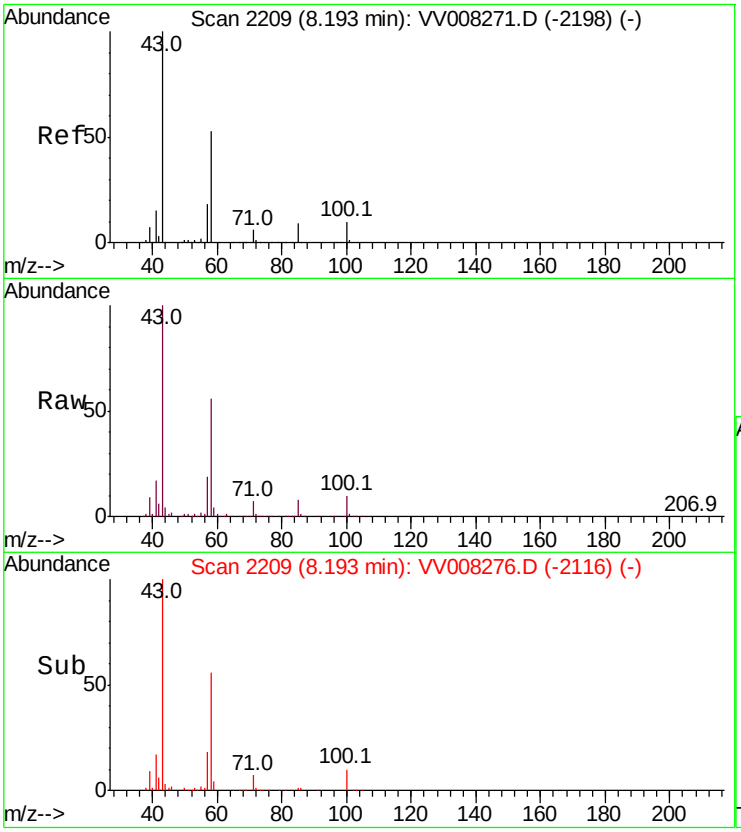




#47
Tetrachloroethene
Concen: 4.882 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. 0.00 min
Lab File: VV008276.D
Acq: 15 Oct 2018 15:47

Tgt Ion:164 Resp: 39711

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 104.9 | 76.5 | 142.1 |
| 131 | 101.3 | 74.7 | 138.7 |
| 166 | 126.1 | 91.6 | 170.0 |



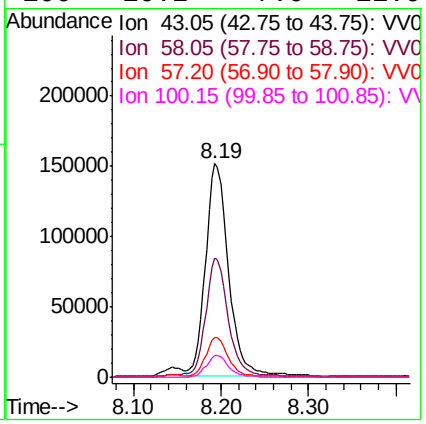


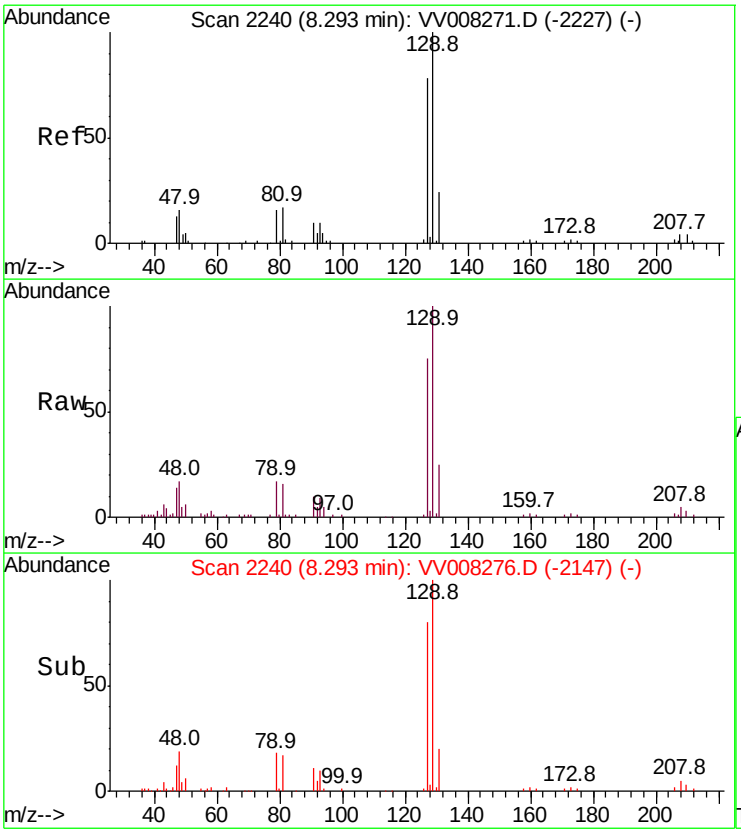

#48
2-Hexanone
Concen: 48.907 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VV008276.D
Acq: 15 Oct 2018 15:47

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

Tgt Ion: 43 Resp: 276708

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 57.1 | 45.0 | 67.4 |
| 57 | 18.0 | 14.4 | 21.6 |
| 100 | 10.2 | 7.9 | 11.9 |

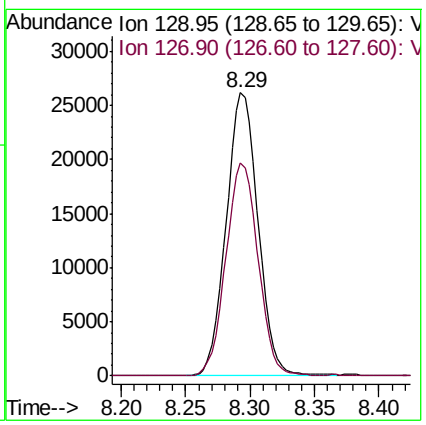


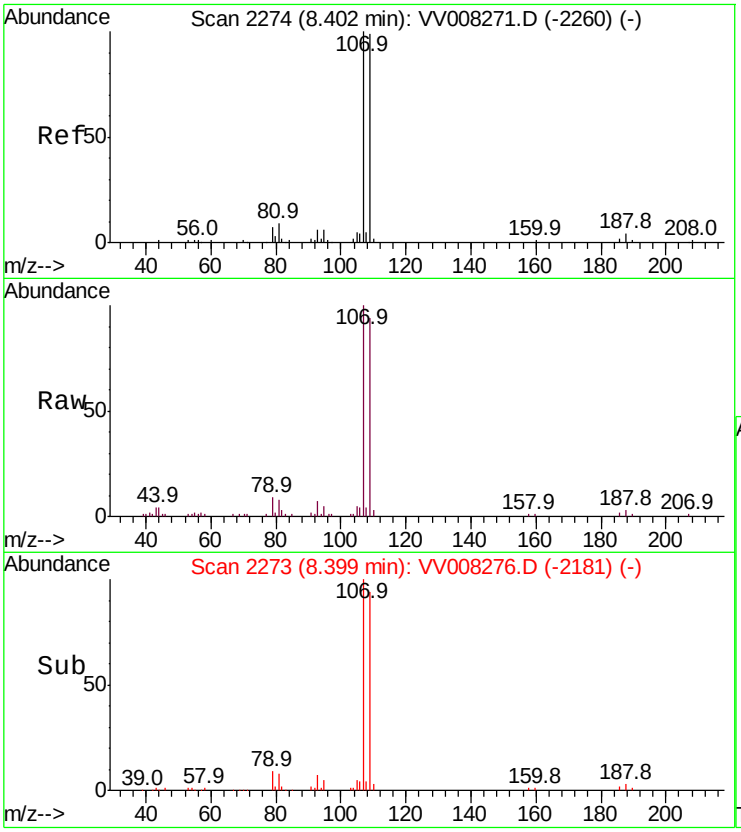




#49
Dibromochloromethane
Concen: 5.022 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV008276.D
Acq: 15 Oct 2018 15:47

Tgt Ion:129 Resp: 44921

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 75.0 | 54.7 | 101.7 |



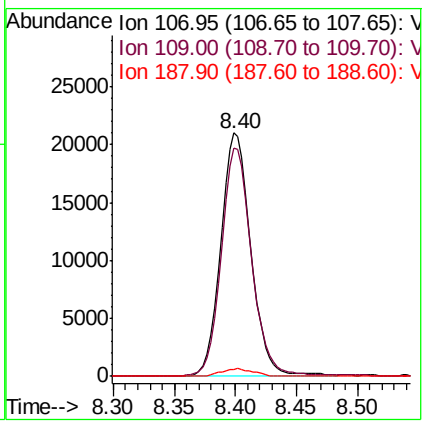


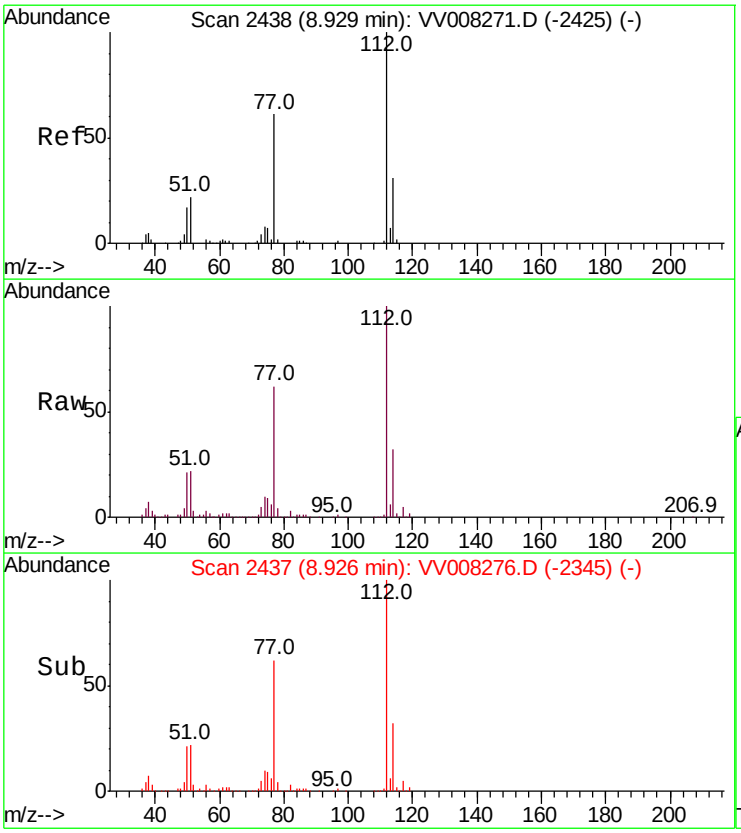

#50
1,2-Dibromoethane
Concen: 4.947 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VV008276.D
Acq: 15 Oct 2018 15:47

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

Tgt Ion:107 Resp: 36383

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.7 | 69.6 | 129.2 |
| 188 | 3.0 | 2.9 | 4.3 |

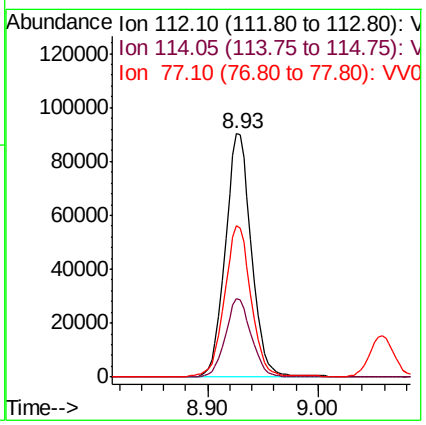


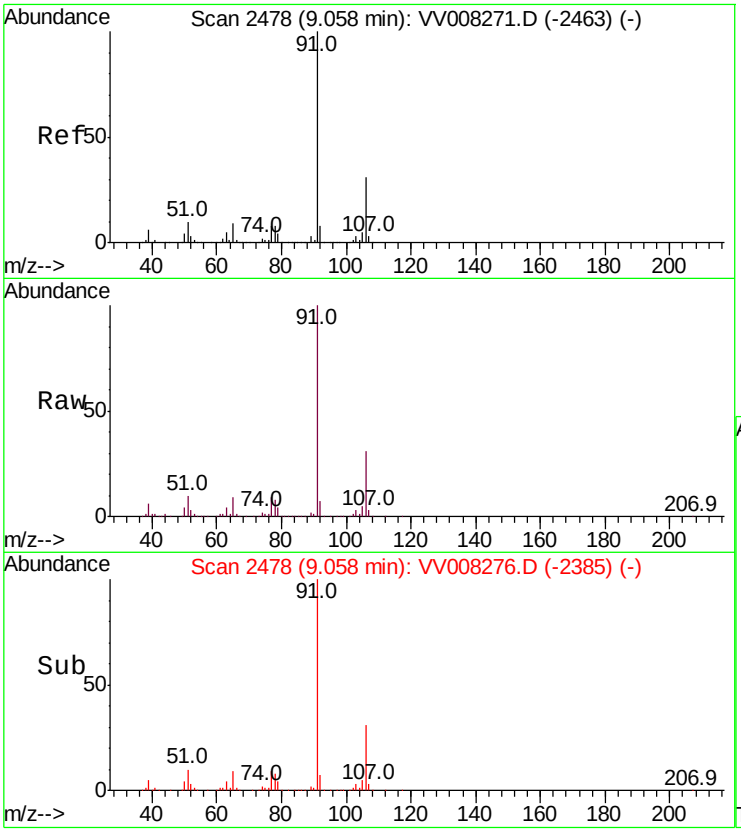




#51
Chlorobenzene
Concen: 5.104 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. -0.00 min
Lab File: VV008276.D
Acq: 15 Oct 2018 15:47

Tgt Ion:112 Resp: 148060

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.1 | 21.6 | 40.0 |
| 77 | 62.0 | 49.7 | 74.5 |



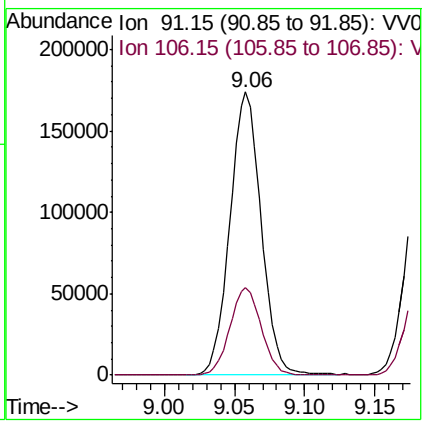


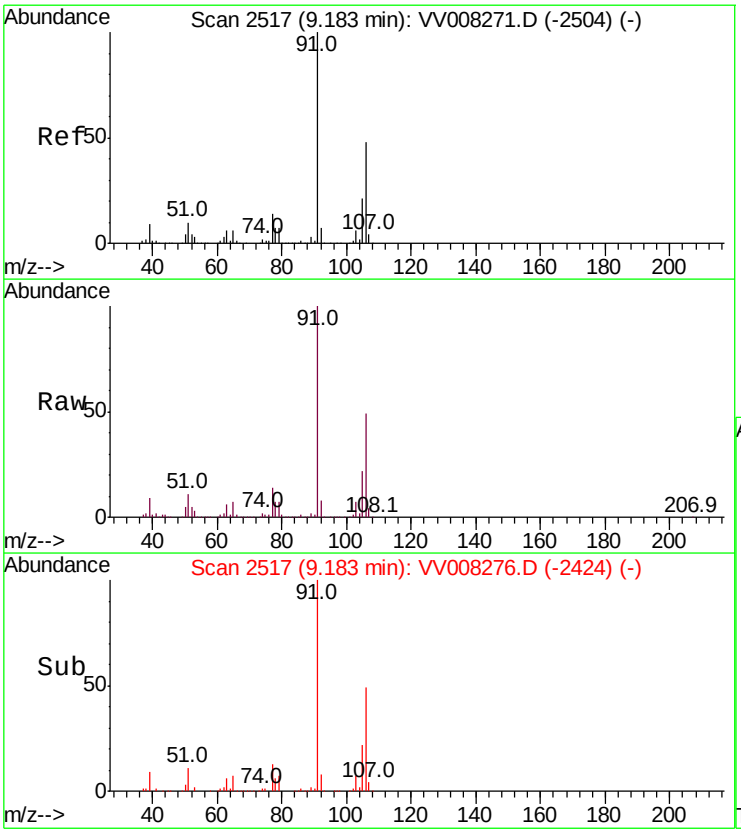

#52
Ethylbenzene
Concen: 5.028 ug/L
RT: 9.06 min Scan# 2478
Delta R.T. 0.00 min
Lab File: VV008276.D
Acq: 15 Oct 2018 15:47

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

Tgt Ion: 91 Resp: 269948

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.7 | 21.6 | 40.2 |

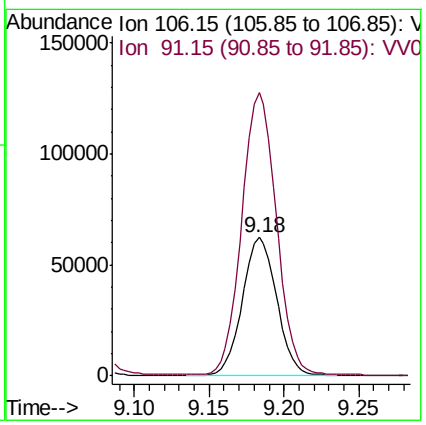


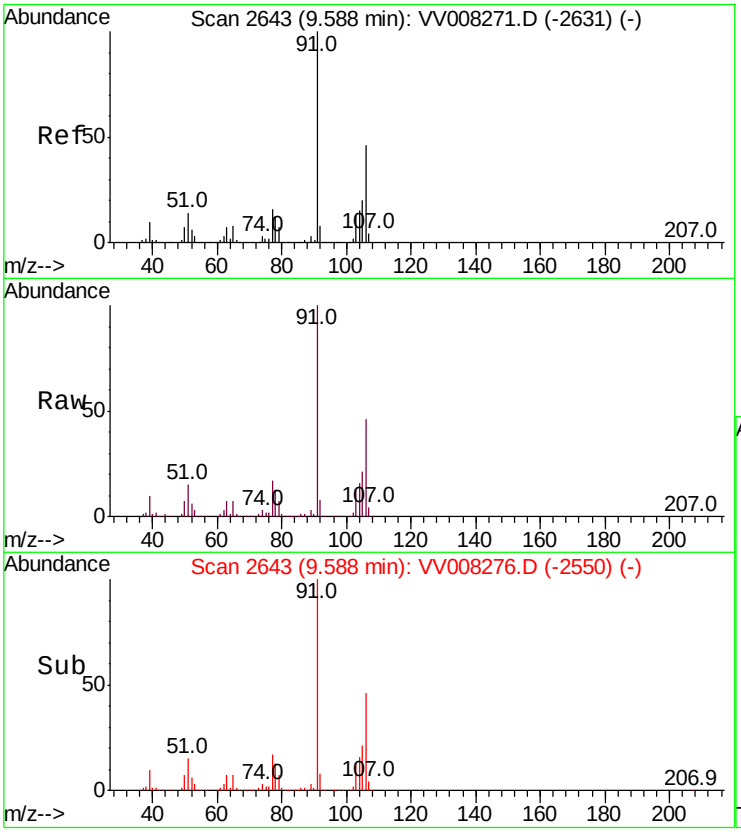




#53
m,p-xylene
Concen: 5.174 ug/L
RT: 9.18 min Scan# 2517
Delta R.T. 0.00 min
Lab File: VV008276.D
Acq: 15 Oct 2018 15:47

Tgt Ion:106 Resp: 100481

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 204.4 | 145.2 | 269.6 |



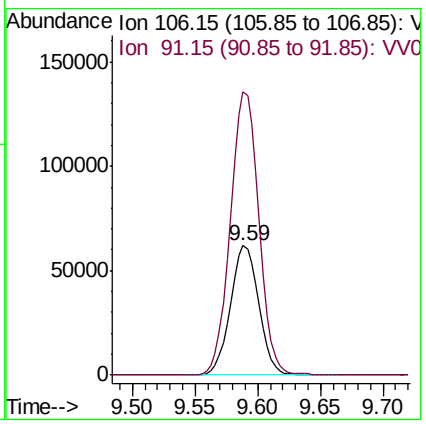


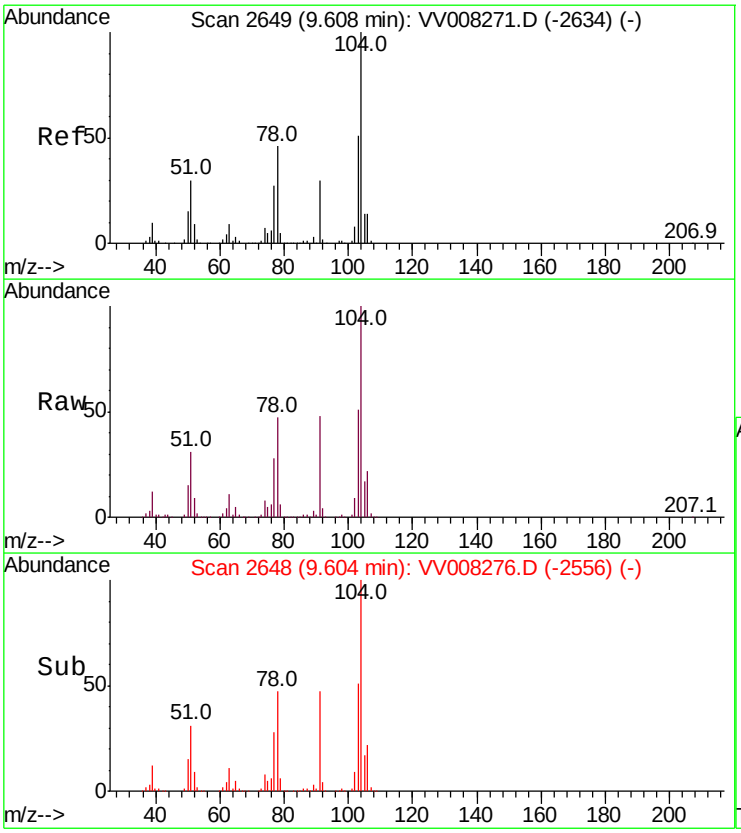

#54
o-xylene
Concen: 5.041 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV008276.D
Acq: 15 Oct 2018 15:47

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

Tgt Ion:106 Resp: 97528

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 218.8 | 153.2 | 284.4 |

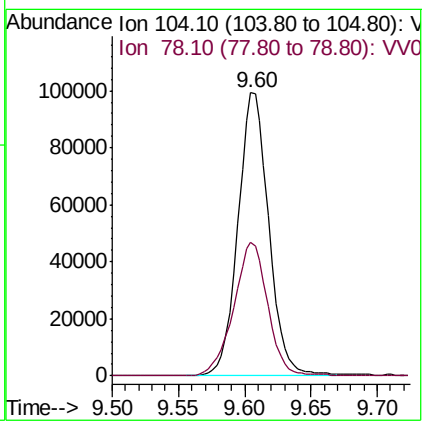


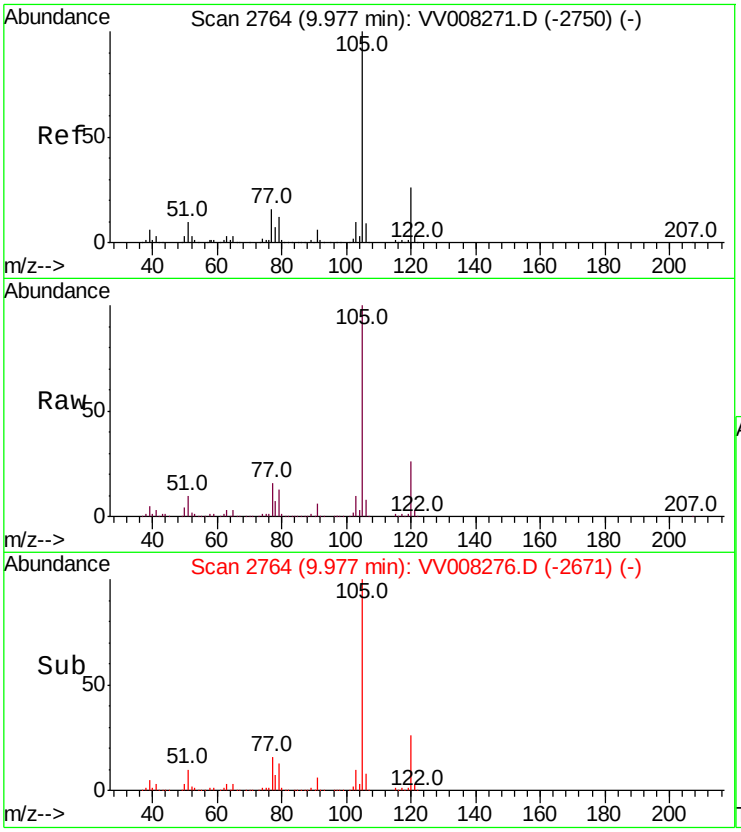




#55
Styrene
Concen: 5.153 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. -0.00 min
Lab File: VV008276.D
Acq: 15 Oct 2018 15:47

Tgt Ion:104 Resp: 160406

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 47.3 | 32.5 | 60.3 |



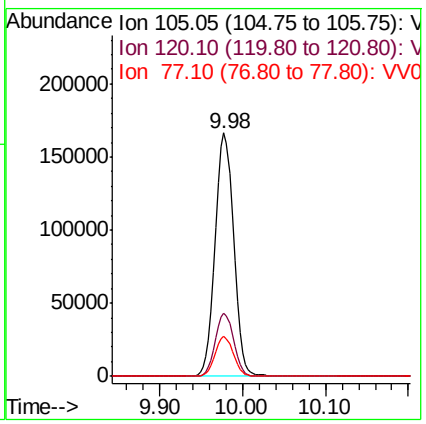


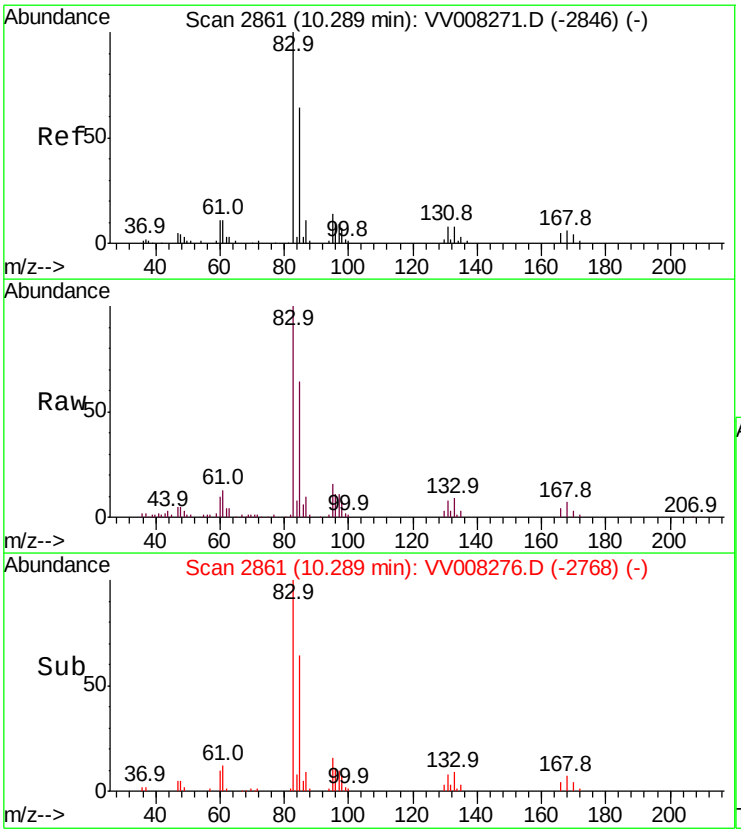

#56
Isopropylbenzene
Concen: 5.041 ug/L
RT: 9.98 min Scan# 2764
Delta R.T. 0.00 min
Lab File: VV008276.D
Acq: 15 Oct 2018 15:47

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

Tgt Ion:105 Resp: 257049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.9 | 21.2 | 31.8 |
| 77 | 16.1 | 13.0 | 19.6 |

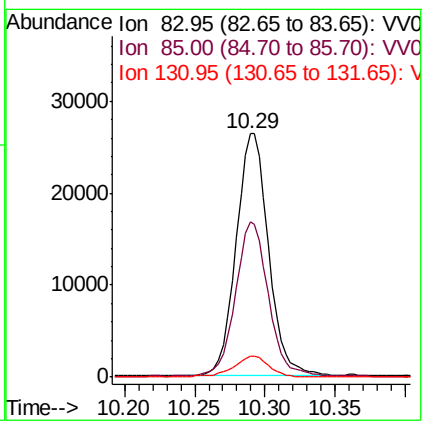


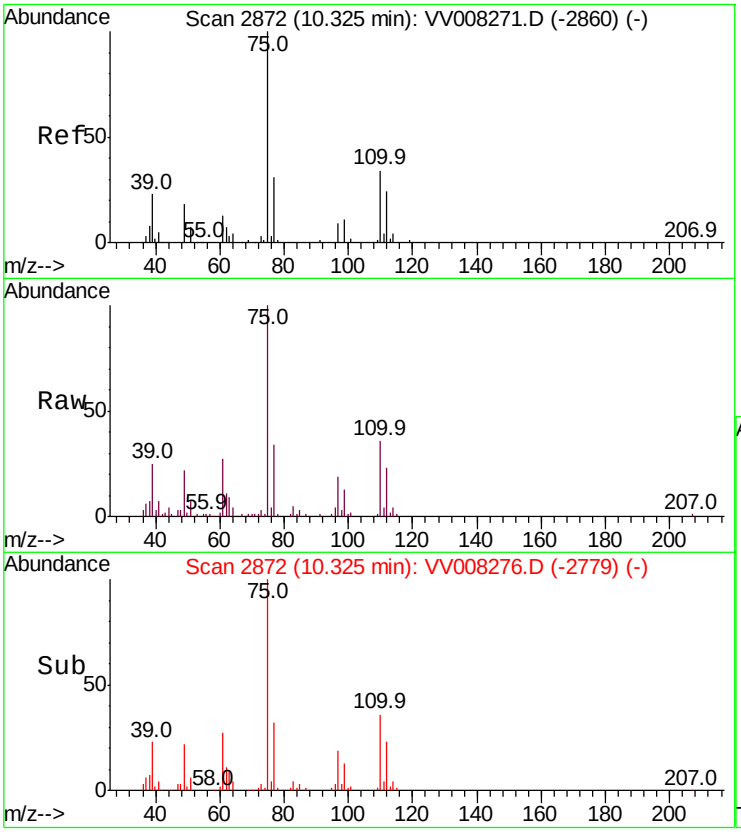




#58
1,1,2,2-Tetrachloroethane
Concen: 4.760 ug/L
RT: 10.29 min Scan# 2861
Delta R.T. 0.00 min
Lab File: VV008276.D
Acq: 15 Oct 2018 15:47

Tgt Ion: 83 Resp: 42495

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.0 | 45.6 | 84.6 |
| 131 | 8.4 | 6.6 | 10.0 |



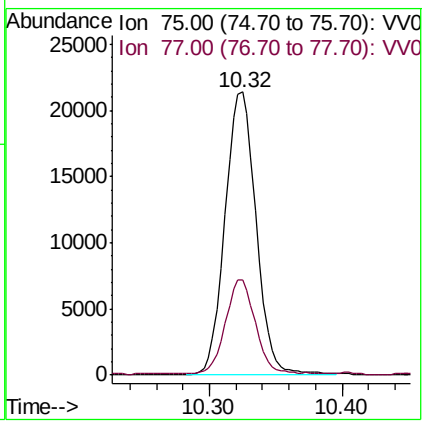


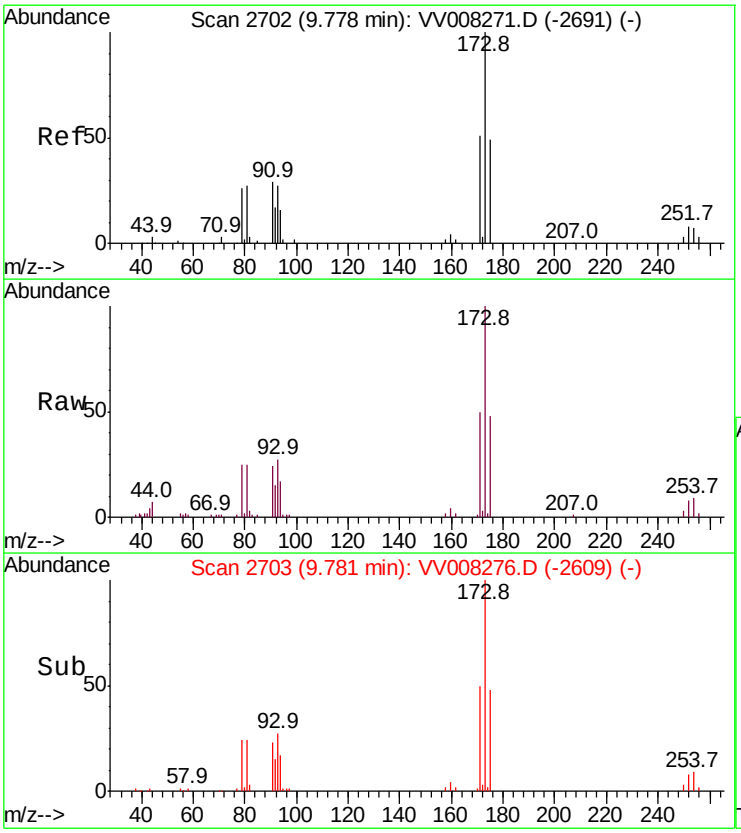

#59
1,2,3-Trichloropropane
Concen: 4.948 ug/L
RT: 10.32 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VV008276.D
Acq: 15 Oct 2018 15:47

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

Tgt Ion: 75 Resp: 34996

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.4 | 27.0 | 40.6 |

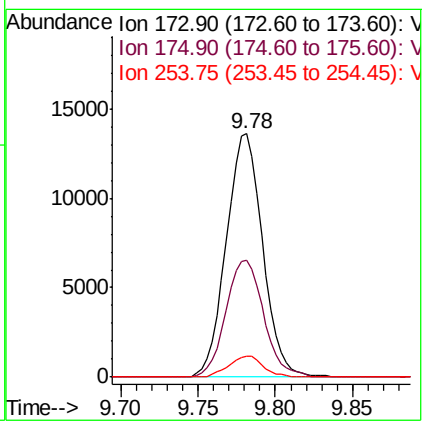


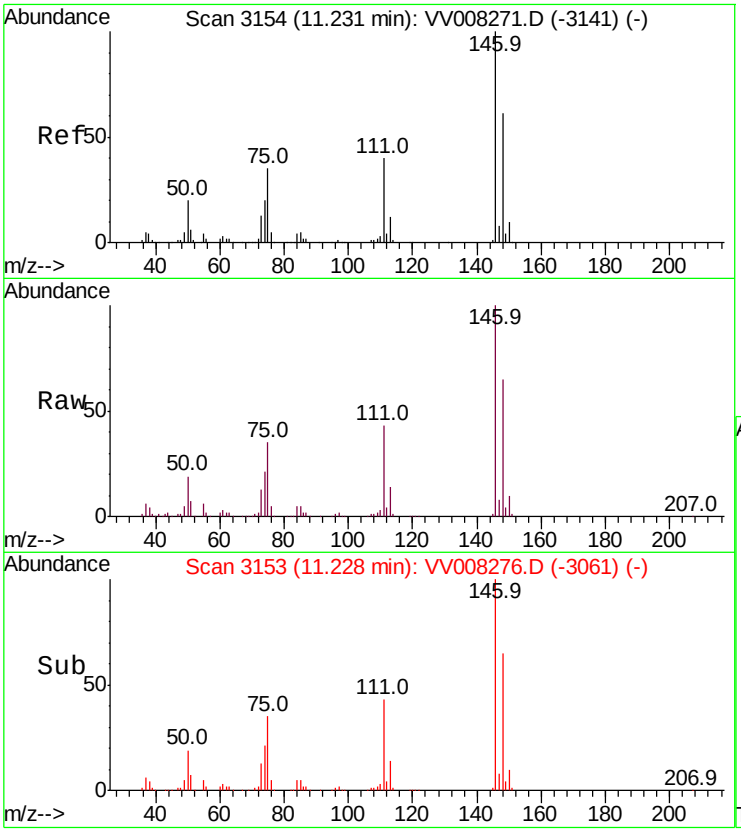




#61
Bromoform
Concen: 4.892 ug/L
RT: 9.78 min Scan# 2703
Delta R.T. 0.00 min
Lab File: VV008276.D
Acq: 15 Oct 2018 15:47

Tgt Ion:173 Resp: 22207

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 49.7 | 38.7 | 58.1 |
| 254 | 8.0 | 5.9 | 8.9 |



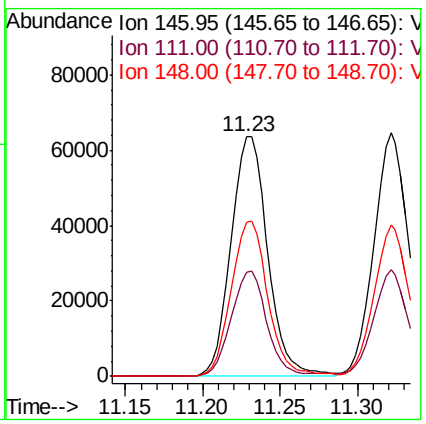


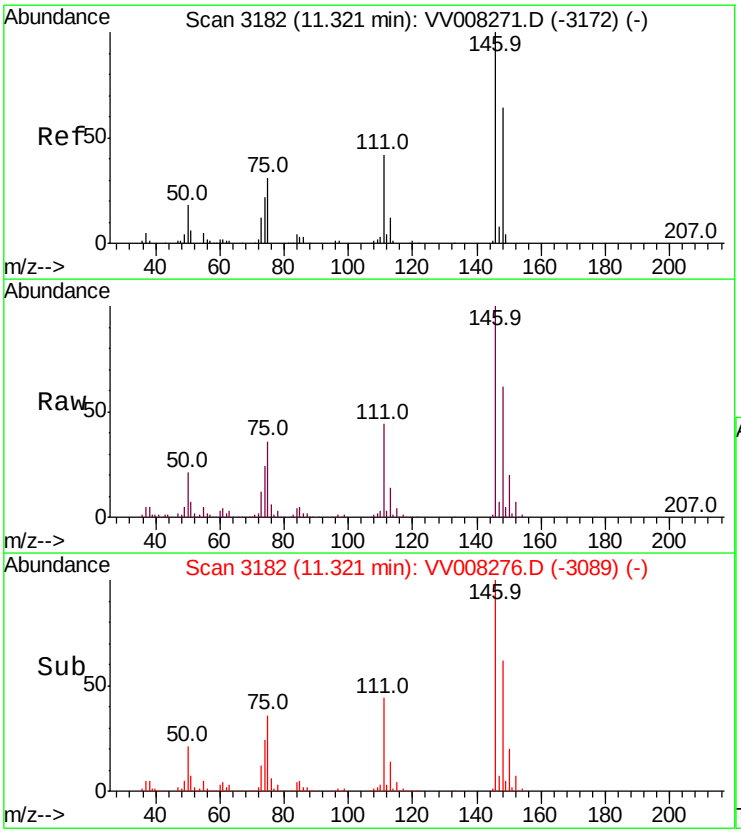

#62
1,3-Dichlorobenzene
Concen: 4.991 ug/L
RT: 11.23 min Scan# 3153
Delta R.T. -0.00 min
Lab File: VV008276.D
Acq: 15 Oct 2018 15:47

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

Tgt Ion:146 Resp: 104914

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.5 | 28.0 | 52.0 |
| 148 | 64.6 | 42.9 | 79.7 |

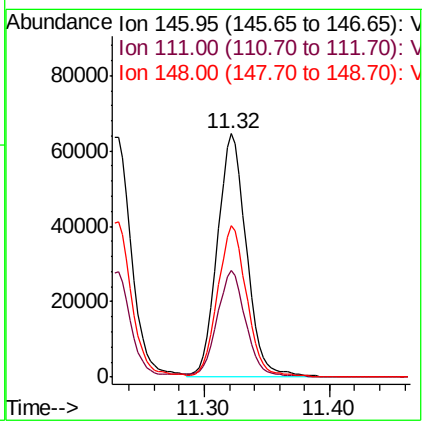


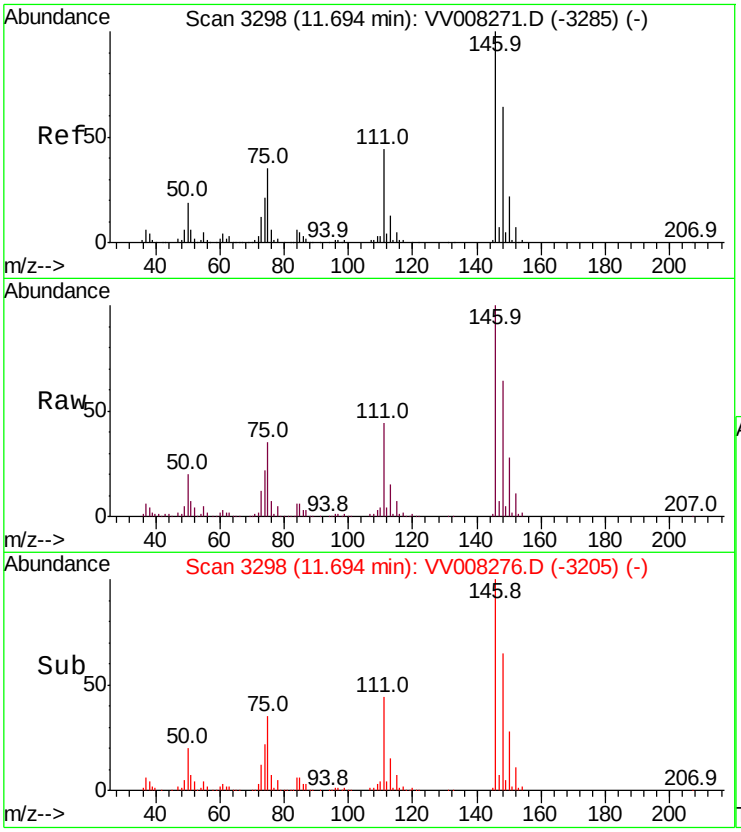




#63
1,4-Dichlorobenzene
Concen: 5.004 ug/L
RT: 11.32 min Scan# 3182
Delta R.T. 0.00 min
Lab File: VV008276.D
Acq: 15 Oct 2018 15:47

Tgt Ion:146 Resp: 104122

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.8 | 30.0 | 55.6 |
| 148 | 62.1 | 44.5 | 82.7 |



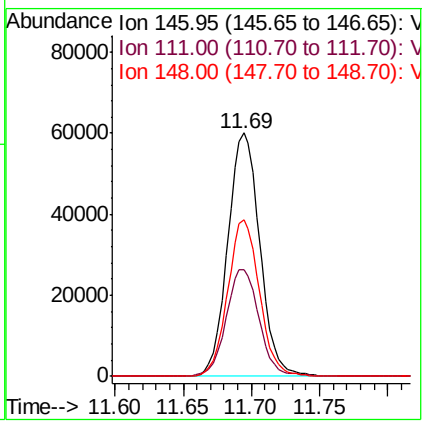


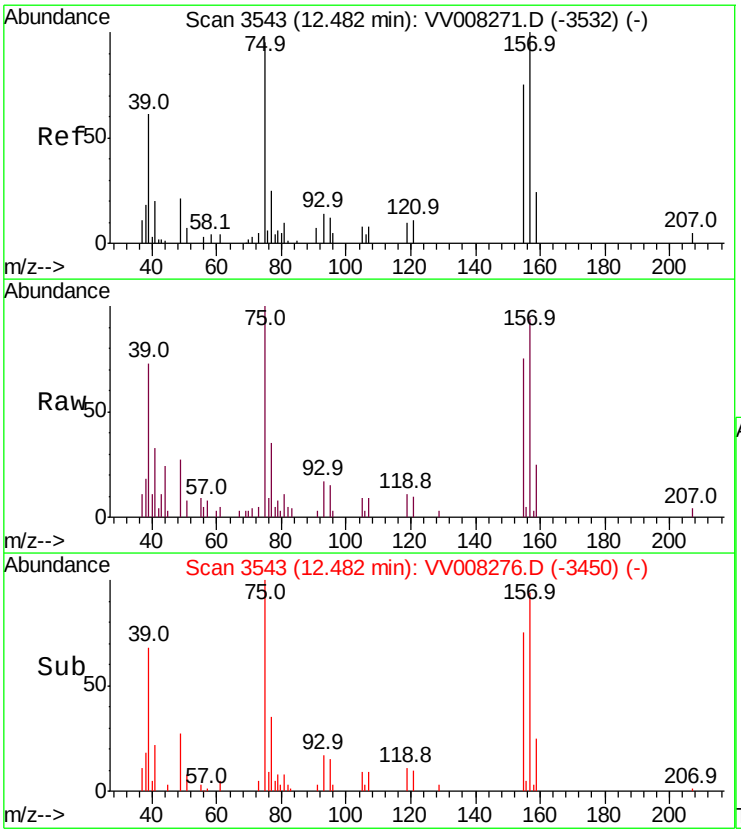

#65
1,2-Dichlorobenzene
Concen: 4.867 ug/L
RT: 11.69 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VV008276.D
Acq: 15 Oct 2018 15:47

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

Tgt Ion:146 Resp: 98067

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 44.0 | 35.5 | 53.3 |
| 148 | 64.4 | 51.5 | 77.3 |

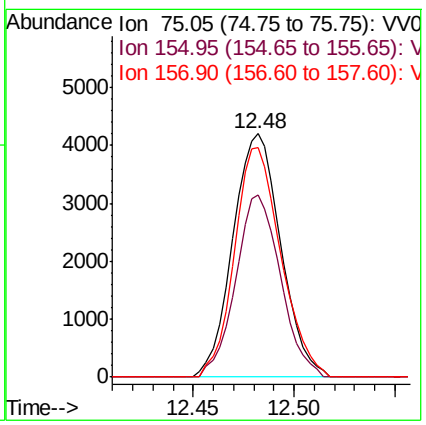


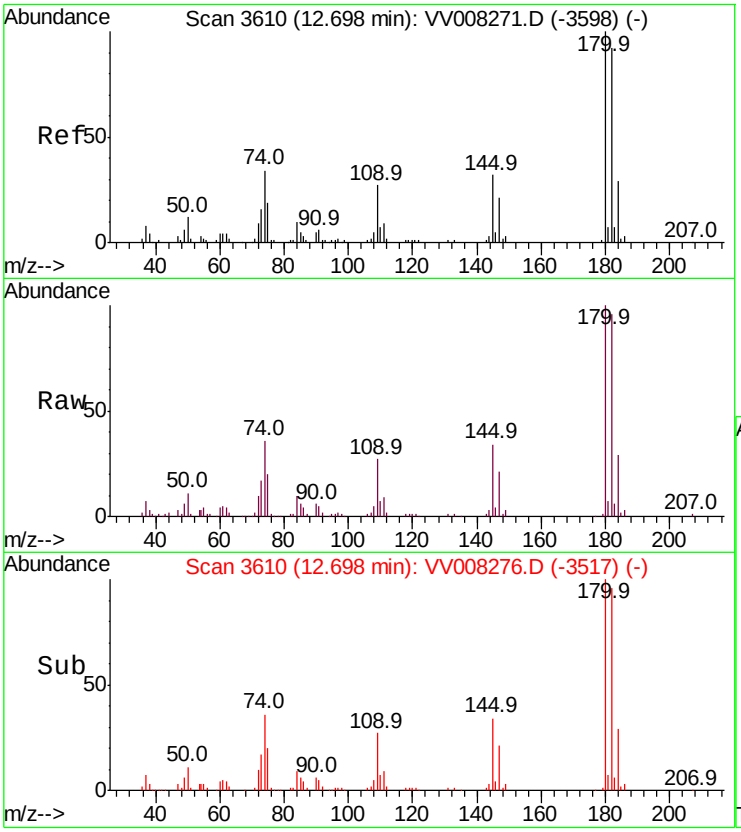




#66
1,2-Dibromo-3-chloropropane
Concen: 4.597 ug/L
RT: 12.48 min Scan# 3543
Delta R.T. 0.00 min
Lab File: VV008276.D
Acq: 15 Oct 2018 15:47

Tgt Ion: 75 Resp: 6987

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 74.7 | 63.6 | 95.4 |
| 157 | 94.1 | 84.3 | 126.5 |



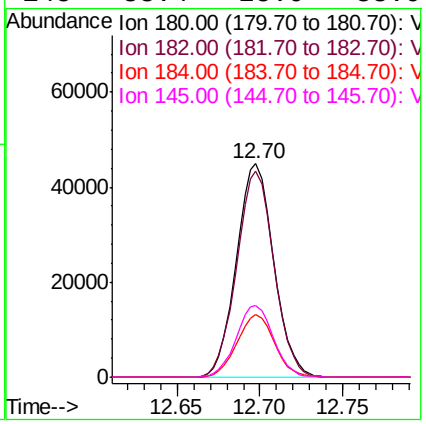


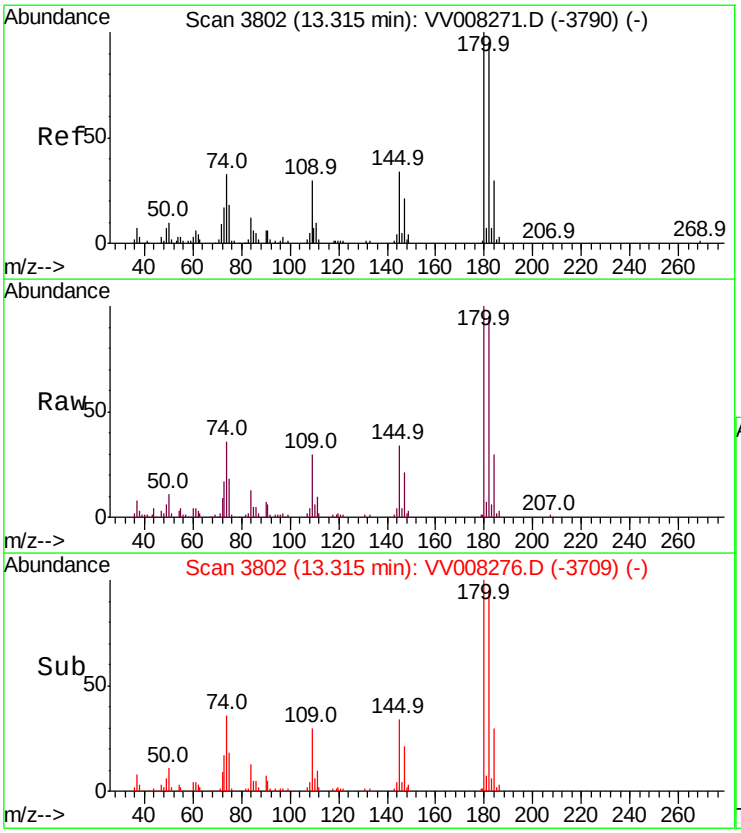

#67
1,3,5-Trichlorobenzene
Concen: 5.175 ug/L
RT: 12.70 min Scan# 3610
Delta R.T. 0.00 min
Lab File: VV008276.D
Acq: 15 Oct 2018 15:47

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

Tgt Ion:180 Resp: 70371

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.1 | 74.5 | 111.7 |
| 184 | 29.2 | 23.5 | 35.3 |
| 145 | 33.4 | 25.9 | 38.9 |

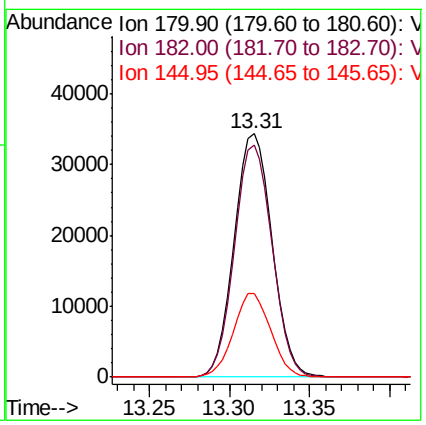


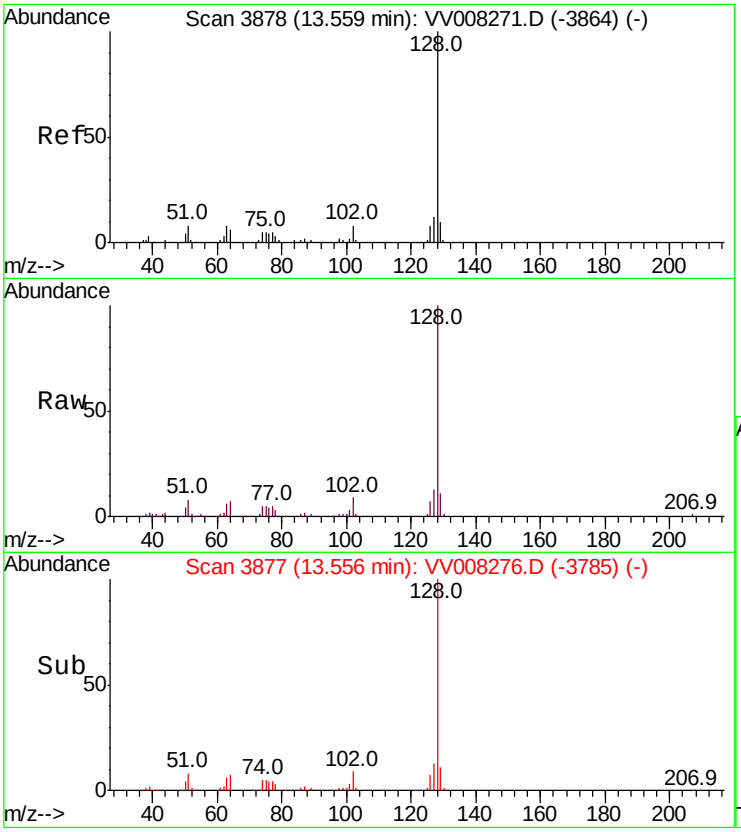




#68
1,2,4-trichlorobenzene
Concen: 5.724 ug/L
RT: 13.31 min Scan# 3802
Delta R.T. 0.00 min
Lab File: VV008276.D
Acq: 15 Oct 2018 15:47

Tgt Ion:180 Resp: 55411

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.7 | 75.3 | 112.9 |
| 145 | 33.7 | 26.1 | 39.1 |



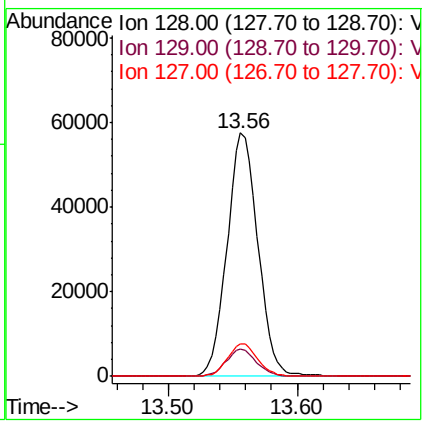


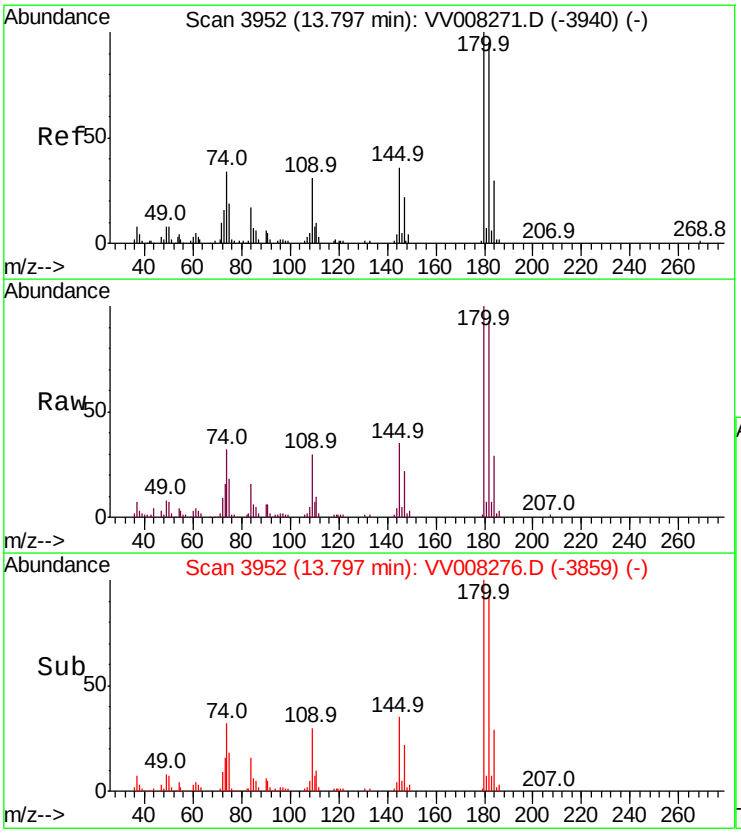

#69
Naphthalene
Concen: 5.293 ug/L
RT: 13.56 min Scan# 3877
Delta R.T. -0.00 min
Lab File: VV008276.D
Acq: 15 Oct 2018 15:47

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

Tgt Ion:128 Resp: 95525

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.0 | 8.6 | 12.8 |
| 127 | 13.1 | 10.1 | 15.1 |




#70
1,2,3-Trichlorobenzene
Concen: 5.458 ug/L
RT: 13.80 min Scan# 3952
Delta R.T. 0.00 min
Lab File: VV008276.D
Acq: 15 Oct 2018 15:47

Tgt Ion:180 Resp: 52461

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.6 | 75.8 | 113.8 |
| 145 | 34.1 | 28.3 | 42.5 |