Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV120618\

Quantitation Report (Not Reviewed)

Data File : VV008857.D
Acq On : 06 Dec 2018 13:28
Operator : SY/MD
Sample : VSTD05064
Misc : 5.00g/10.0 mL/MSVOA_V/SOIL
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD05064

Quant Time: Dec 07 00:33:31 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 07 00:29:23 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.66 | 114 | 226601 | 25.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 8.90 | 117 | 199571 | 25.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152 | 95417 | 25.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.32 | 65 | 122796 | 49.92 | ug/L | 0.00 |
| 7) Chloroethane-d5 | 1.58 | 69 | 87584 | 48.78 | ug/L | 0.00 |
| 10) 1,1-Dichloroethene-d2 | 2.13 | 63 | 290163 | 49.42 | ug/L | 0.00 |
| 20) 2-Butanone-d5 | 3.93 | 46 | 87326 | 119.17 | ug/L | 0.00 |
| 24) Chloroform-d | 4.40 | 84 | 269463 | 50.47 | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4 | 5.08 | 65 | 146762 | 51.99 | ug/L | 0.00 |
| 29) Benzene-d6 | 5.10 | 84 | 549461 | 50.79 | ug/L | 0.00 |
| 33) 1,2-Dichloropropane-d6 | 6.12 | 67 | 152704 | 50.99 | ug/L | 0.00 |
| 37) Toluene-d8 | 7.36 | 98 | 516083 | 51.50 | ug/L | 0.00 |
| 38) trans-1,3-Dichloropropene- | 7.66 | 79 | 73791 | 56.61 | ug/L | 0.00 |
| 39) 2-Hexanone-d5 | 8.13 | 63 | 60554 | 118.08 | ug/L | 0.00 |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26 | 84 | 135166 | 55.59 | ug/L | 0.00 |
| 61) 1,2-Dichlorobenzene-d4 | 11.67 | 152 | 170369 | 52.25 | ug/L | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.14 | 85 | 147627 | 43.319 | ug/L | 97 |
| 3) Chloromethane | 1.25 | 50 | 111415 | 43.871 | ug/L | 99 |
| 5) Vinyl chloride | 1.32 | 62 | 125216 | 44.167 | ug/L | 99 |
| 6) Bromomethane | 1.53 | 94 | 56225 | 42.551 | ug/L | 99 |
| 8) Chloroethane | 1.59 | 64 | 69334 | 41.674 | ug/L | 100 |
| 9) Trichlorofluoromethane | 1.77 | 101 | 214201 | 43.674 | ug/L | 98 |
| 11) 1,1,2-Trichloro-1,2,2-trif | 2.14 | 101 | 148791 | 43.994 | ug/L | 99 |
| 12) 1,1-Dichloroethene | 2.14 | 96 | 131521 | 44.402 | ug/L | 86 |
| 13) Acetone | 2.19 | 43 | 129903 | 96.981 | ug/L | 100 |
| 14) Carbon disulfide | 2.32 | 76 | 435937 | 45.055 | ug/L | 100 |
| 15) Methyl Acetate | 2.45 | 43 | 70042 | 47.957 | ug/L | 100 |
| 16) Methylene chloride | 2.53 | 84 | 144110 | 42.614 | ug/L | 98 |
| 17) Methyl tert-butyl Ether | 2.80 | 73 | 311804 | 48.720 | ug/L | 99 |
| 18) trans-1,2-Dichloroethene | 2.79 | 96 | 145057 | 44.885 | ug/L | 100 |
| 19) 1,1-Dichloroethane | 3.23 | 63 | 233338 | 44.585 | ug/L | 100 |
| 21) 2-Butanone | 4.01 | 43 | 130240 | 104.886 | ug/L | 97 |
| 22) cis-1,2-Dichloroethene | 3.96 | 96 | 152800 | 45.942 | ug/L | 96 |
| 23) Bromochloromethane | 4.29 | 128 | 69737 | 46.458 | ug/L | 97 |
| 25) Chloroform | 4.42 | 83 | 250402 | 44.995 | ug/L | 99 |
| 27) 1,2-Dichloroethane | 5.18 | 62 | 169620 | 46.623 | ug/L | 100 |
| 30) Cyclohexane | 4.72 | 56 | 225161 | 44.806 | ug/L | 99 |
| 31) 1,1,1-Trichloroethane | 4.66 | 97 | 232497 | 44.913 | ug/L | 100 |
| 32) Carbon tetrachloride | 4.87 | 117 | 217826 | 45.391 | ug/L | 98 |
| 34) Benzene | 5.14 | 78 | 537657 | 44.704 | ug/L | 100 |
| 35) Trichloroethene | 5.96 | 95 | 159221 | 44.480 | ug/L | 99 |
| 36) Methylcyclohexane | 6.17 | 83 | 264146 | 44.888 | ug/L | 99 |
| 40) 1,2-Dichloropropane | 6.22 | 63 | 132358 | 45.795 | ug/L | 99 |
| 41) Bromodichloromethane | 6.55 | 83 | 176766 | 46.605 | ug/L | 97 |
| 42) cis-1,3-Dichloropropene | 7.07 | 75 | 202568 | 45.755 | ug/L | 97 |
| 43) 4-Methyl-2-pentanone | 7.27 | 43 | 173937 | 99.880 | ug/L | 100 |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV120618\

Quantitation Report (Not Reviewed)

Data File : VV008857.D
Acq On : 06 Dec 2018 13:28
Operator : SY/MD
Sample : VSTD05064
Misc : 5.00g/10.0 mL/MSVOA_V/SOIL
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD05064

Quant Time: Dec 07 00:33:31 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 07 00:29:23 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) Toluene | 7.43 | 91 | 579460 | 45.623 | ug/L | 98 |
| 45) trans-1,3-Dichloropropene | 7.69 | 75 | 180786 | 48.792 | ug/L | 96 |
| 46) 1,1,2-Trichloroethane | 7.88 | 97 | 110003 | 47.371 | ug/L | 99 |
| 47) Tetrachloroethene | 8.02 | 164 | 129825 | 44.943 | ug/L | 98 |
| 49) 2-Hexanone | 8.18 | 43 | 161909 | 105.233 | ug/L | 98 |
| 50) Dibromochloromethane | 8.29 | 129 | 133640 | 48.393 | ug/L | 98 |
| 51) 1,2-Dibromoethane | 8.40 | 107 | 110487 | 47.303 | ug/L | 98 |
| 52) Chlorobenzene | 8.93 | 112 | 373089 | 45.989 | ug/L | 99 |
| 53) Ethylbenzene | 9.05 | 91 | 635064 | 45.578 | ug/L | 98 |
| 54) m,p-Xylene | 9.18 | 106 | 248443 | 46.810 | ug/L | 99 |
| 55) o-xylene | 9.59 | 106 | 228241 | 46.391 | ug/L | 99 |
| 56) Styrene | 9.60 | 104 | 383653 | 47.015 | ug/L | 98 |
| 57) Isopropylbenzene | 9.98 | 105 | 623949 | 47.005 | ug/L | 99 |
| 58) 1,1,2,2-Tetrachloroethane | 10.29 | 83 | 125937 | 49.532 | ug/L | 97 |
| 59) 1,2,3-Trichloropropane | 10.32 | 75 | 101515 | 48.666 | ug/L | 99 |
| 62) Bromoform | 9.78 | 173 | 79265 | 47.111 | ug/L | 97 |
| 63) 1,3-Dichlorobenzene | 11.23 | 146 | 280480 | 46.438 | ug/L | 99 |
| 64) 1,4-Dichlorobenzene | 11.32 | 146 | 281822 | 45.838 | ug/L | 98 |
| 65) 1,2-Dichlorobenzene | 11.69 | 146 | 258669 | 45.961 | ug/L | 99 |
| 66) 1,2-Dibromo-3-chloropropan | 12.48 | 75 | 21989 | 50.650 | ug/L | 96 |
| 67) 1,3,5-Trichlorobenzene | 12.69 | 180 | 204093 | 46.181 | ug/L | 99 |
| 68) 1,2,4-trichlorobenzene | 13.31 | 180 | 159984 | 51.471 | ug/L | 99 |
| 69) Naphthalene | 13.55 | 128 | 295448 | 59.375 | ug/L | 99 |
| 70) 1,2,3-Trichlorobenzene | 13.79 | 180 | 147227 | 51.486 | ug/L | 99 |

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

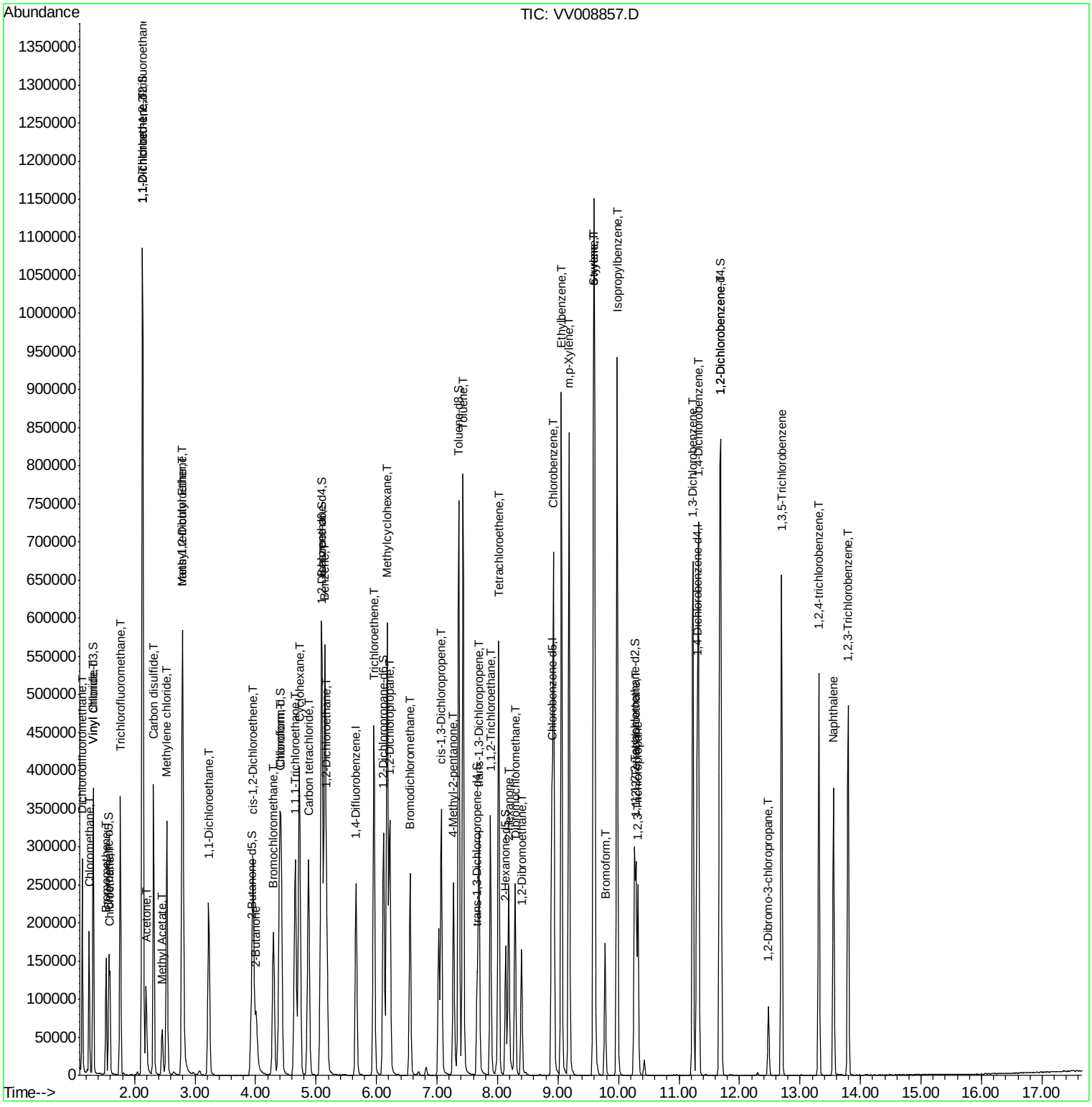
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV120618\

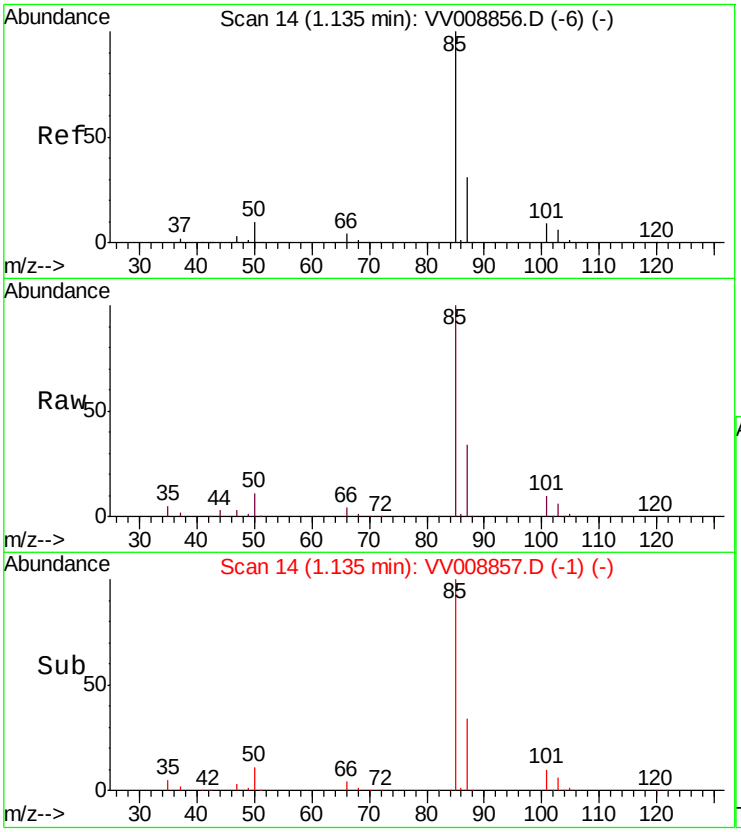
Quantitation Report (Not Reviewed)

Data File : VV008857.D
Acq On : 06 Dec 2018 13:28
Operator : SY/MD
Sample : VSTD05064
Misc : 5.00g/10.0 mL/MSVOA_V/SOIL
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD05064

Quant Time: Dec 07 00:33:31 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 07 00:29:23 2018
Response via : Initial Calibration



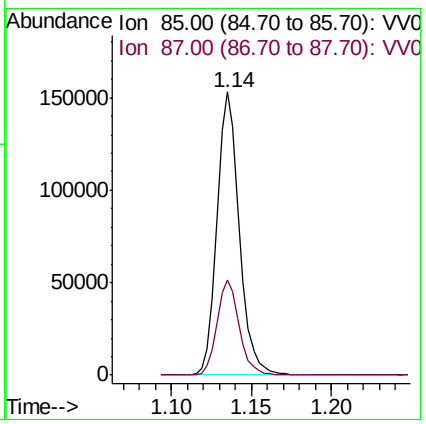


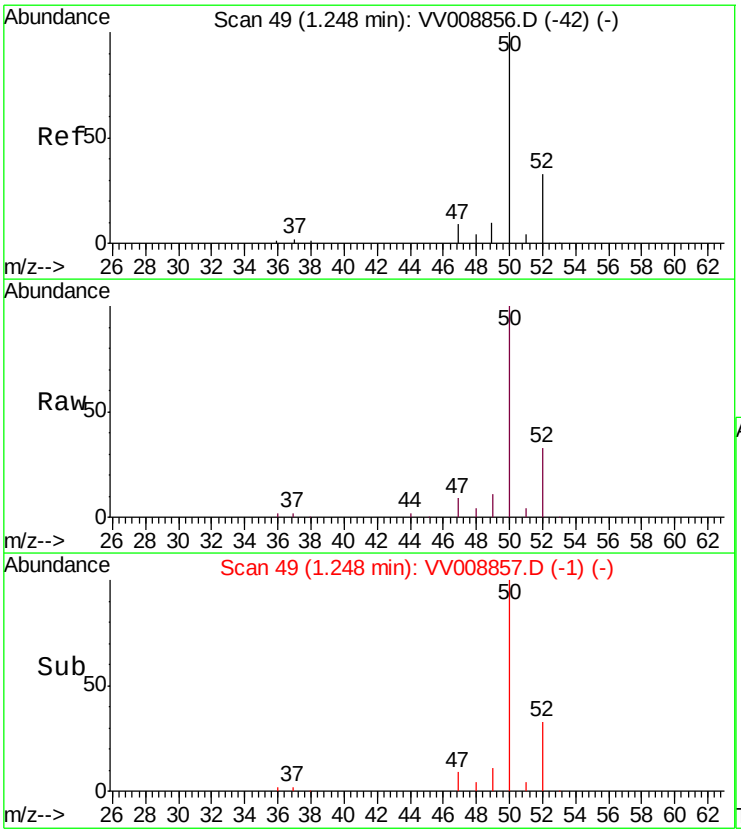

#2
Dichlorodifluoromethane
Concen: 43.319 ug/L
RT: 1.14 min Scan# 14
Delta R.T. -0.00 min
Lab File: VV008857.D
Acq: 06 Dec 2018 13:28

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD05064

Tgt Ion: 85 Resp: 147627

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 33.4 | 22.4 | 41.6 |

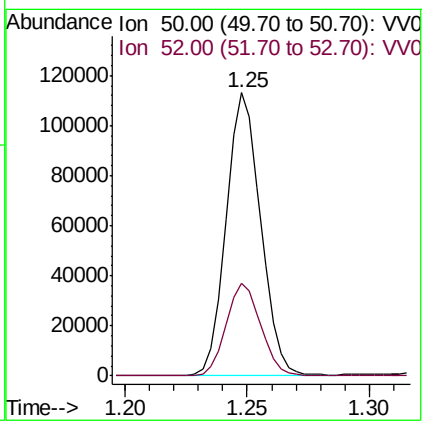


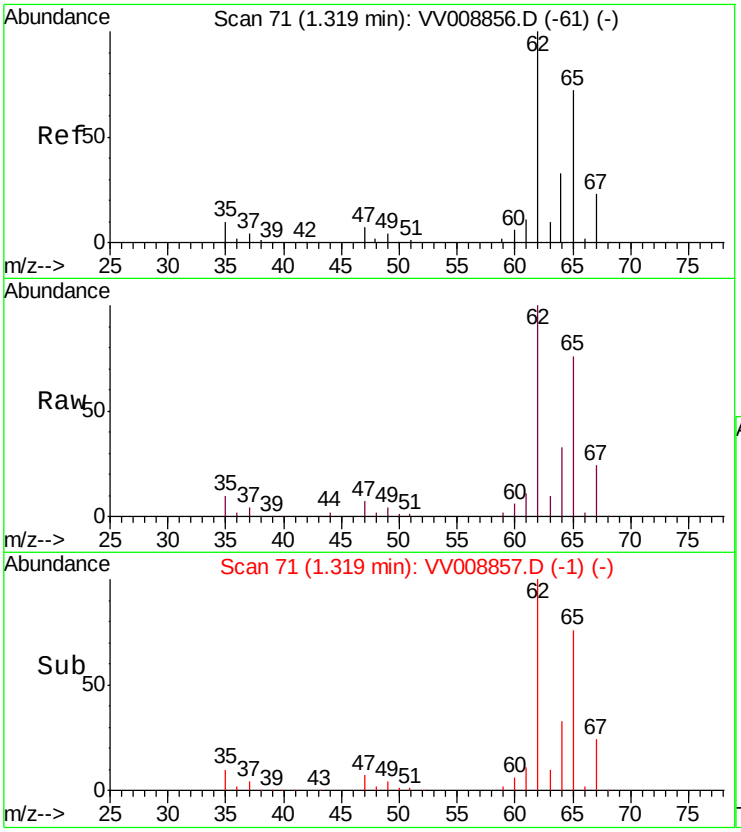




#3
Chloromethane
Concen: 43.871 ug/L
RT: 1.25 min Scan# 49
Delta R.T. -0.00 min
Lab File: VV008857.D
Acq: 06 Dec 2018 13:28

Tgt Ion: 50 Resp: 111415

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.8 | 23.2 | 43.2 |



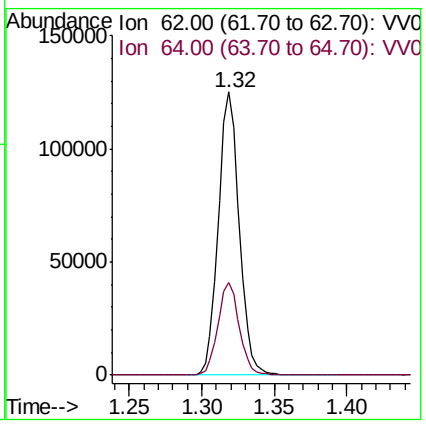


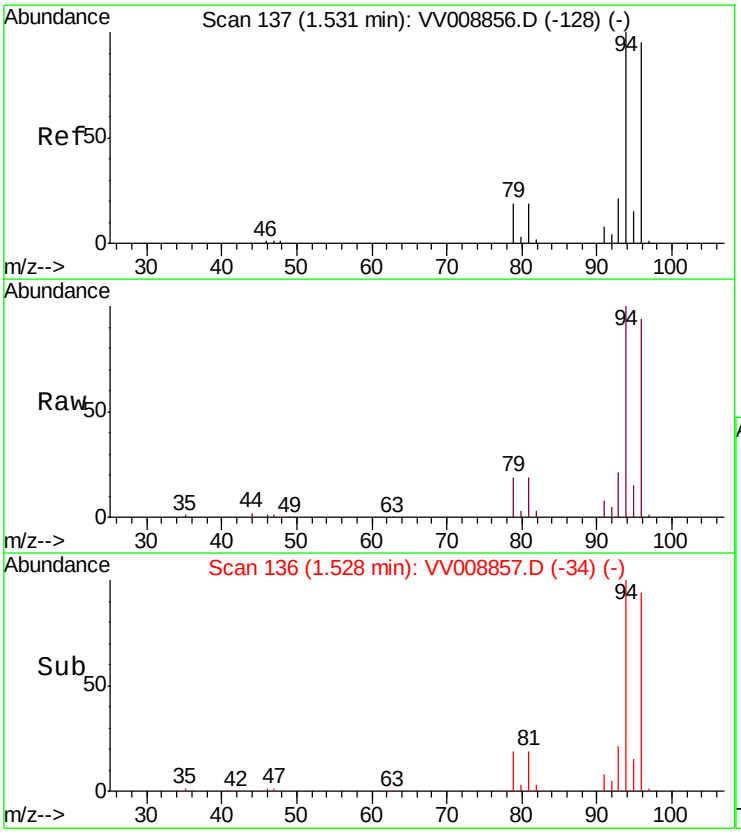

#5
Vinyl chloride
Concen: 44.167 ug/L
RT: 1.32 min Scan# 71
Delta R.T. -0.00 min
Lab File: VV008857.D
Acq: 06 Dec 2018 13:28

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD05064

Tgt Ion: 62 Resp: 125216

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

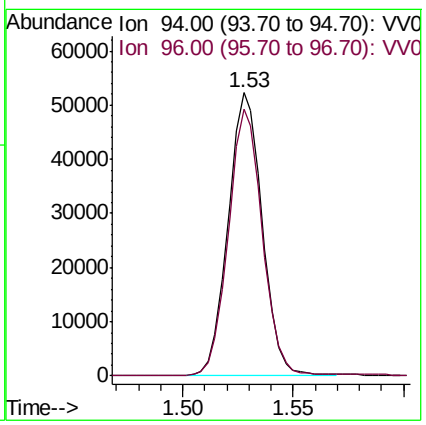


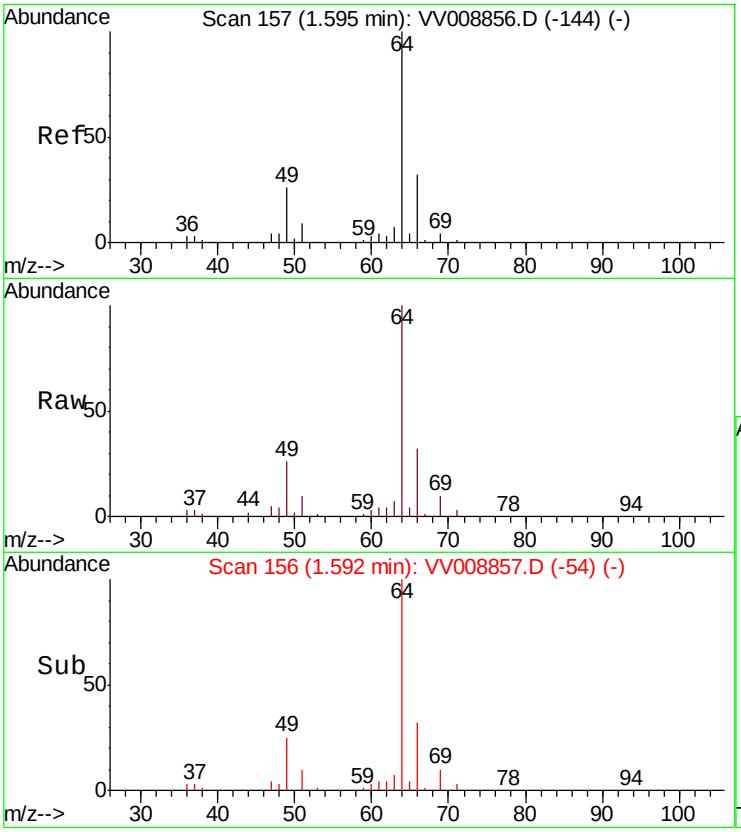




#6
Bromomethane
Concen: 42.551 ug/L
RT: 1.53 min Scan# 136
Delta R.T. -0.00 min
Lab File: VV008857.D
Acq: 06 Dec 2018 13:28

Tgt Ion: 94 Resp: 56225

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 94.2 | 9.5 | 180.9 |



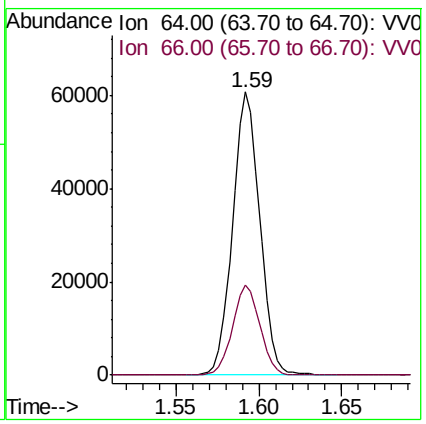


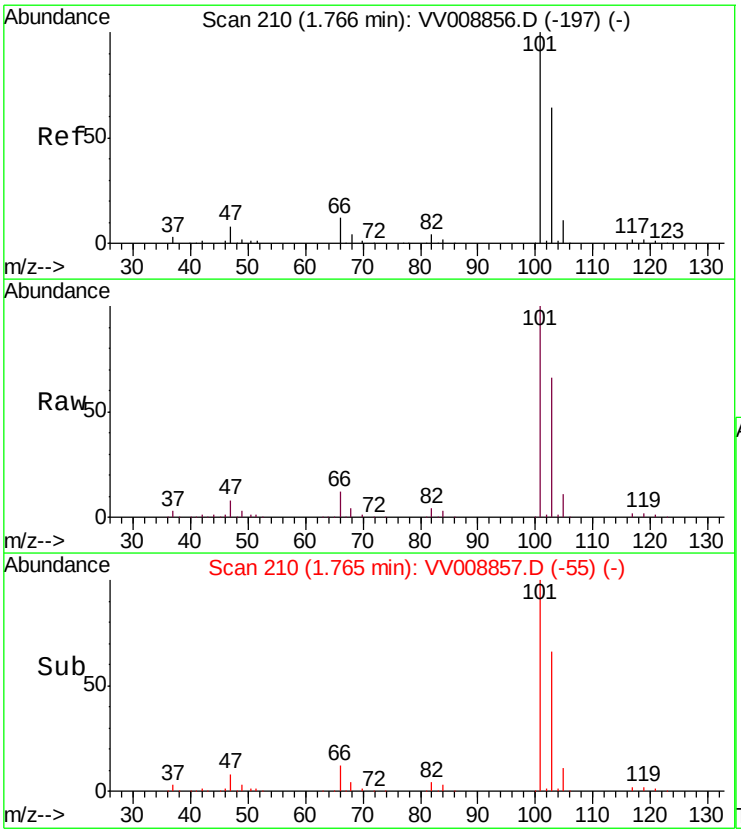

#8
Chloroethane
Concen: 41.674 ug/L
RT: 1.59 min Scan# 156
Delta R.T. -0.00 min
Lab File: VV008857.D
Acq: 06 Dec 2018 13:28

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD05064

Tgt Ion: 64 Resp: 69334

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 31.7 | 22.2 | 41.2 |

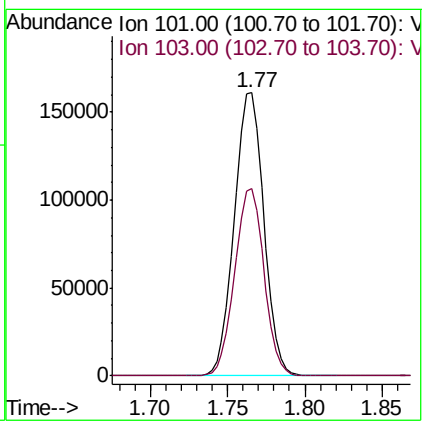


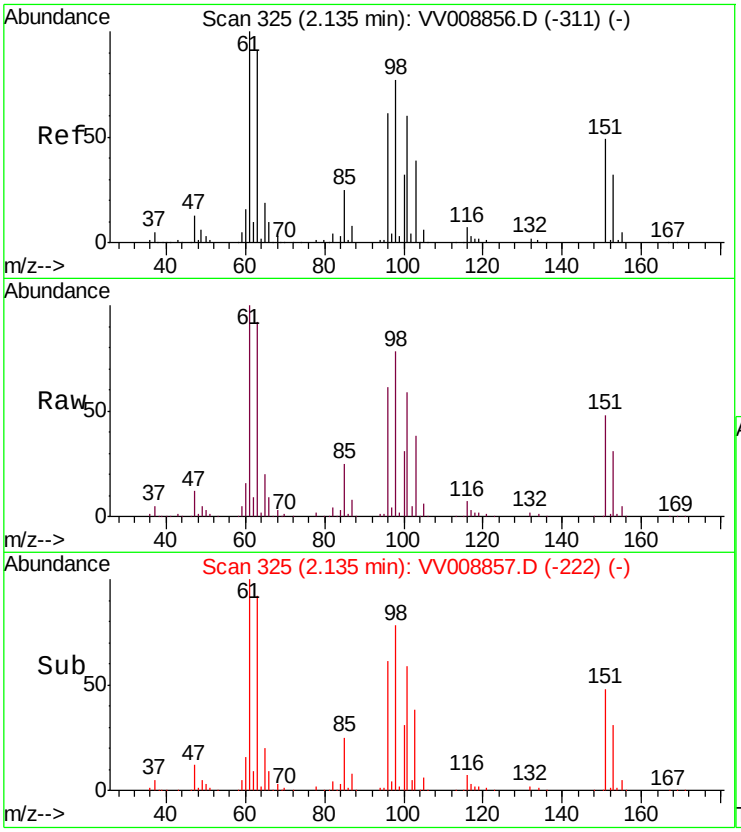




#9
Trichlorofluoromethane
Concen: 43.674 ug/L
RT: 1.77 min Scan# 210
Delta R.T. -0.00 min
Lab File: VV008857.D
Acq: 06 Dec 2018 13:28

Tgt Ion:101 Resp: 214201

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.7 | 44.8 | 83.2 |



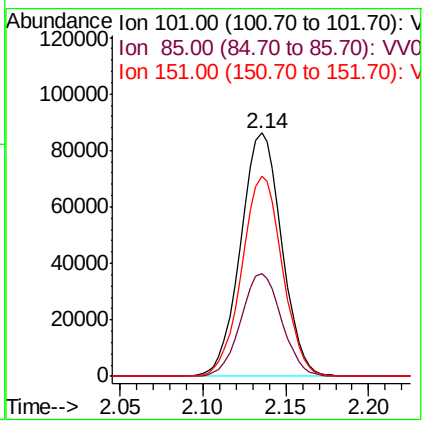


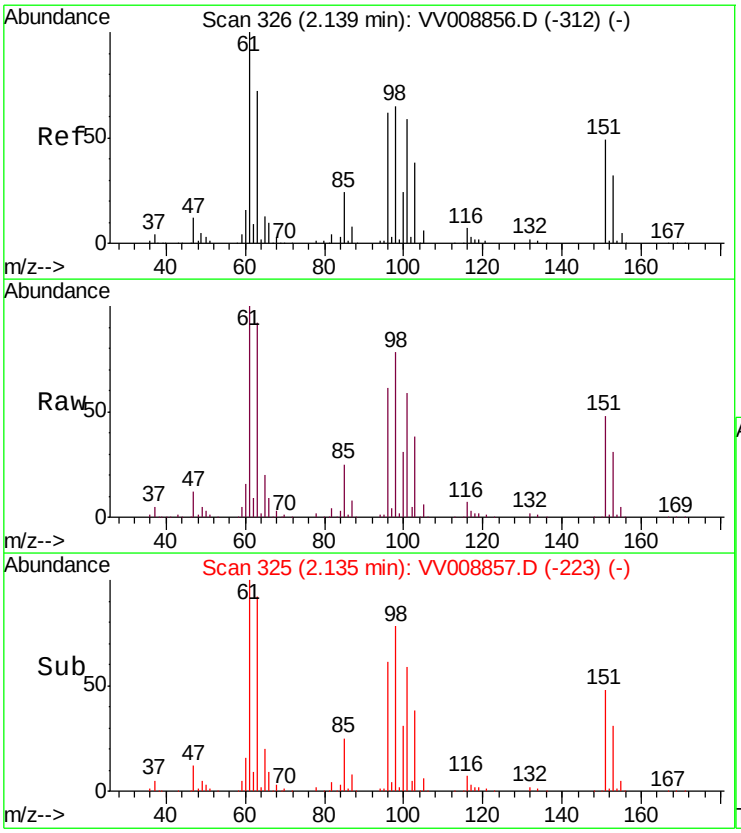

#11
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 43.994 ug/L
RT: 2.14 min Scan# 325
Delta R.T. -0.00 min
Lab File: VV008857.D
Acq: 06 Dec 2018 13:28

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD05064

Tgt Ion:101 Resp: 148791

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 42.0 | 32.5 | 48.7 |
| 151 | 81.1 | 64.2 | 96.4 |

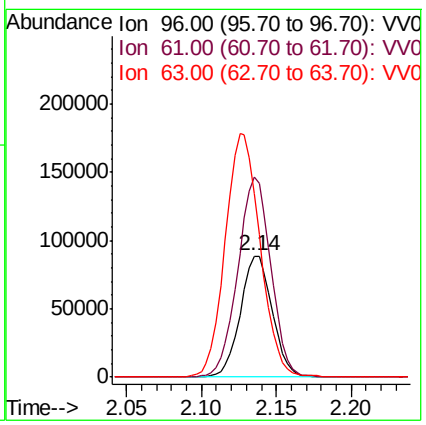


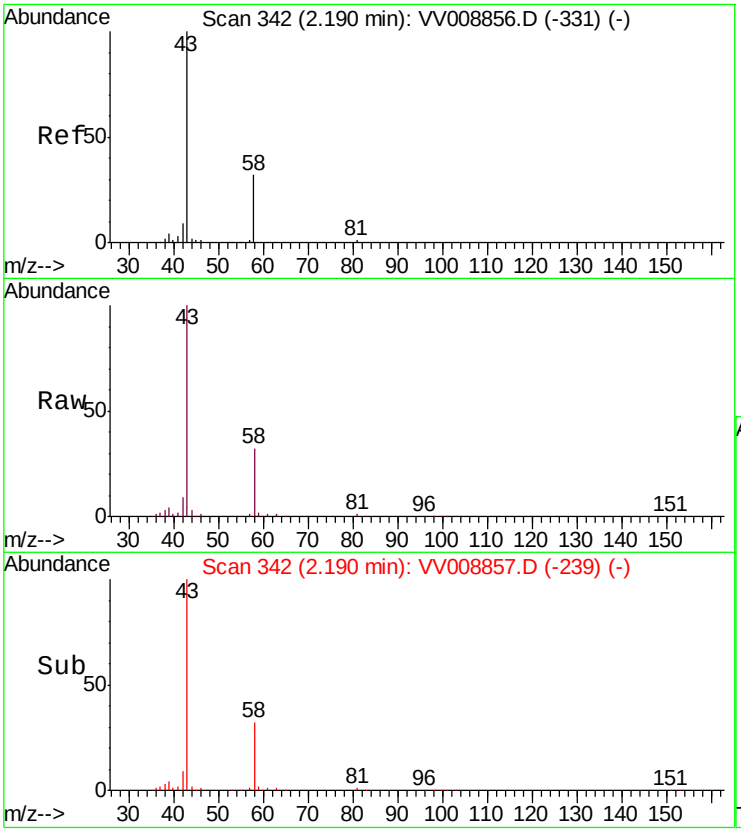




#12
1,1-Dichloroethene
Concen: 44.402 ug/L
RT: 2.14 min Scan# 325
Delta R.T. -0.00 min
Lab File: VV008857.D
Acq: 06 Dec 2018 13:28

Tgt Ion: 96 Resp: 131521

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 165.0 | 114.0 | 211.6 |
| 63 | 151.5 | 82.4 | 153.0 |



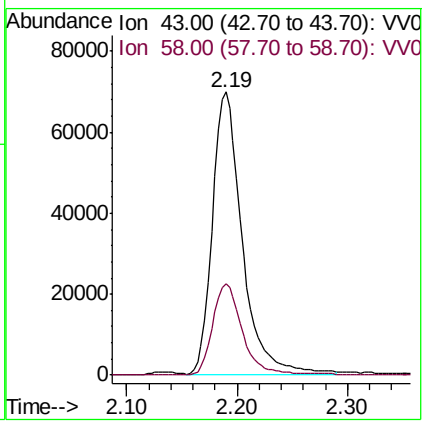


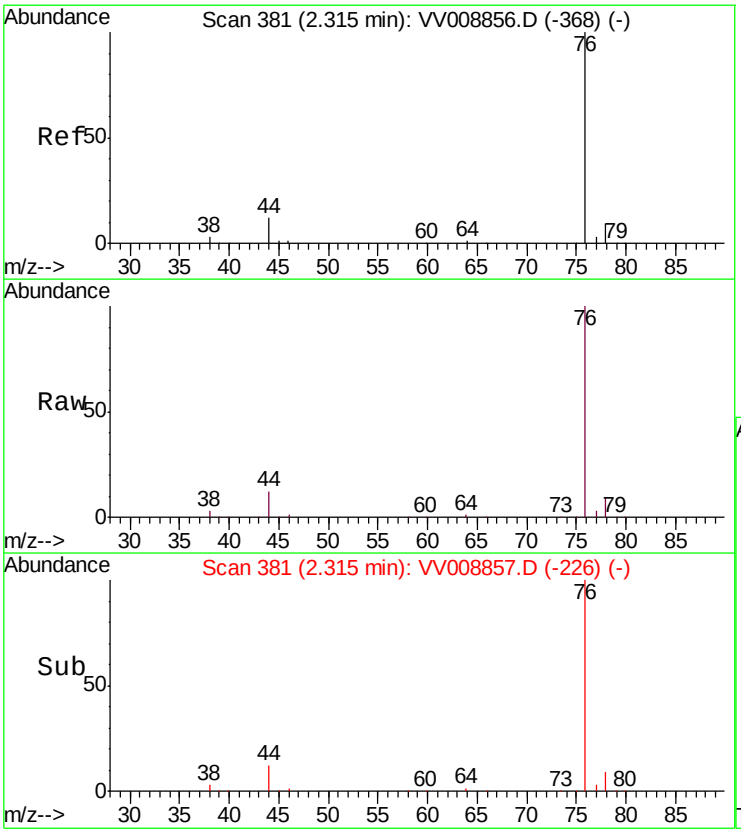

#13
Acetone
Concen: 96.981 ug/L
RT: 2.19 min Scan# 342
Delta R.T. -0.00 min
Lab File: VV008857.D
Acq: 06 Dec 2018 13:28

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD05064

Tgt Ion: 43 Resp: 129903

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 32.4 | 0.0 | 65.4 |

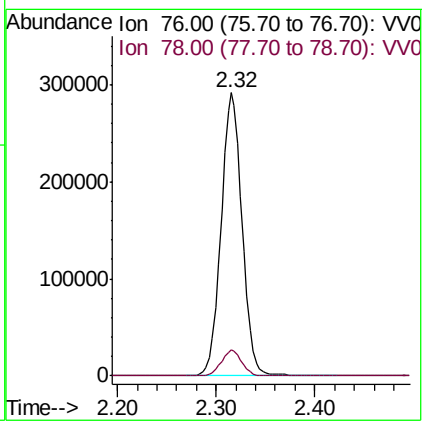


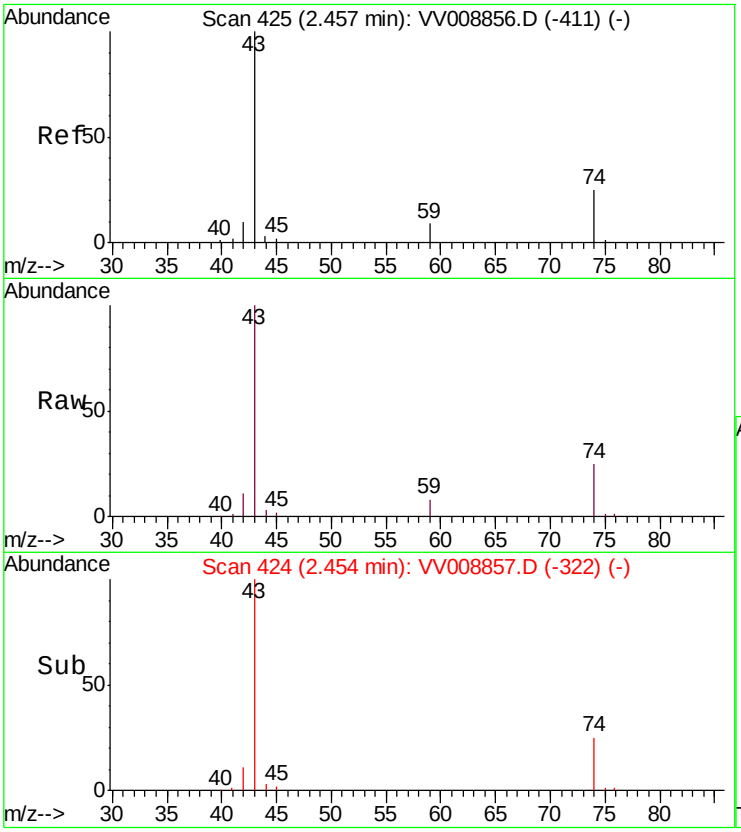




#14
Carbon disulfide
Concen: 45.055 ug/L
RT: 2.32 min Scan# 381
Delta R.T. -0.00 min
Lab File: VV008857.D
Acq: 06 Dec 2018 13:28

Tgt Ion: 76 Resp: 435937

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.2 | 7.4 | 11.0 |



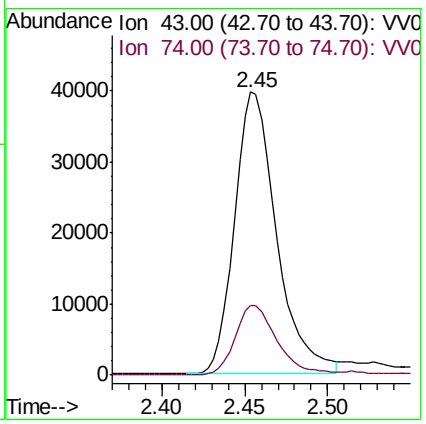


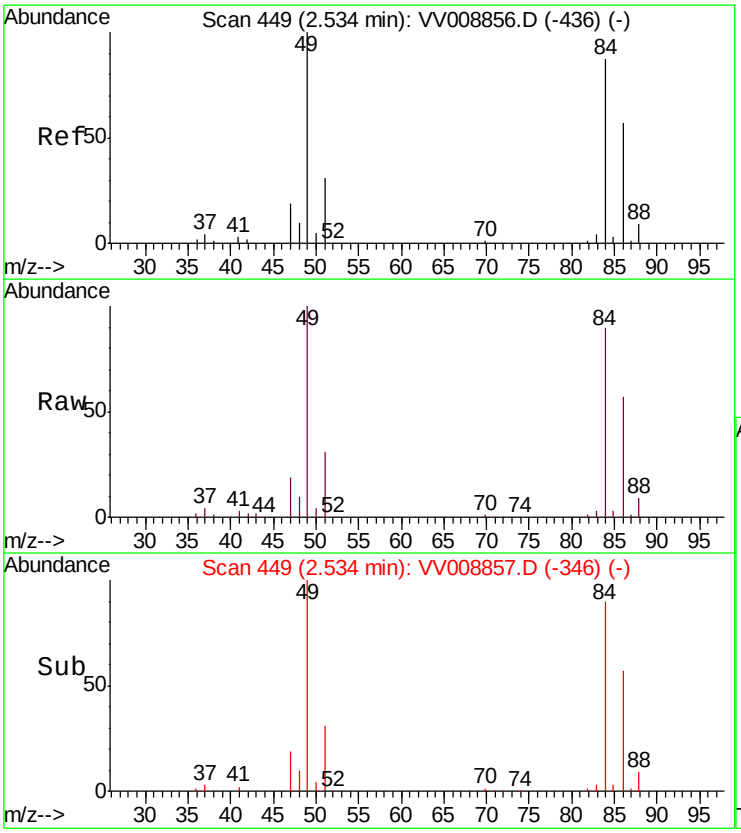

#15
Methyl Acetate
Concen: 47.957 ug/L
RT: 2.45 min Scan# 424
Delta R.T. -0.00 min
Lab File: VV008857.D
Acq: 06 Dec 2018 13:28

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD05064

Tgt Ion: 43 Resp: 70042

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 24.8 | 19.7 | 29.5 |

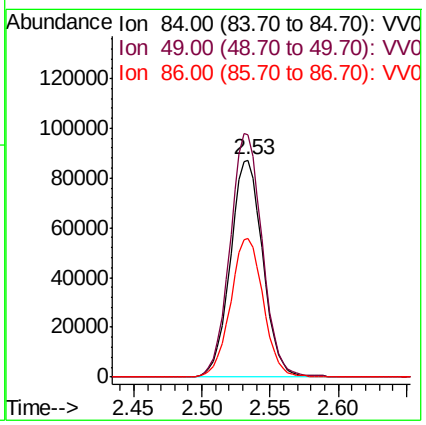


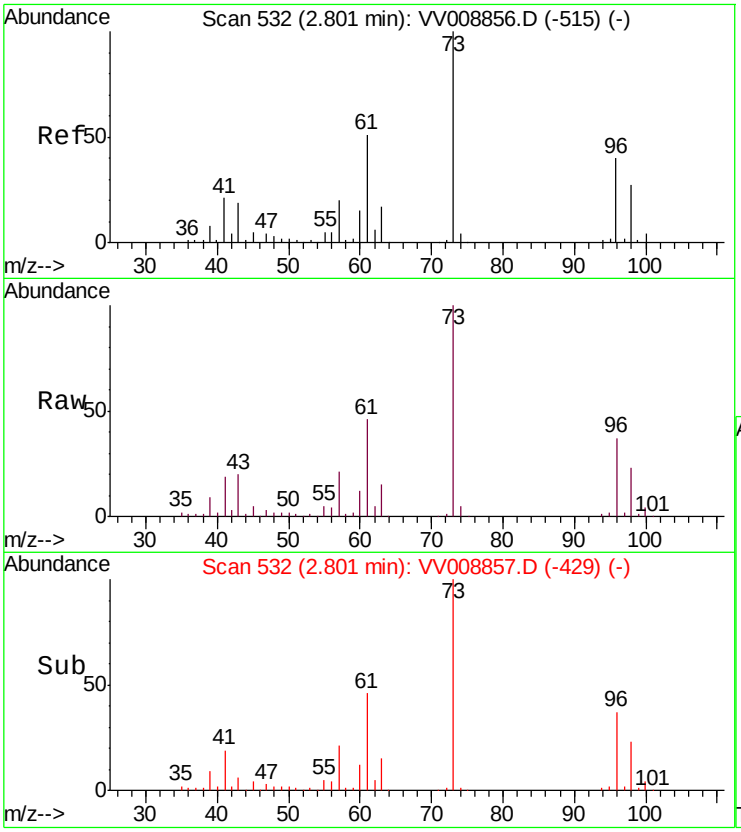




#16
Methylene chloride
Concen: 42.614 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV008857.D
Acq: 06 Dec 2018 13:28

Tgt Ion: 84 Resp: 144110

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 111.6 | 80.5 | 149.5 |
| 86 | 64.0 | 45.5 | 84.5 |



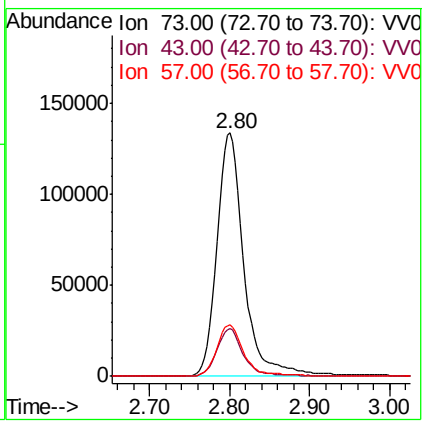


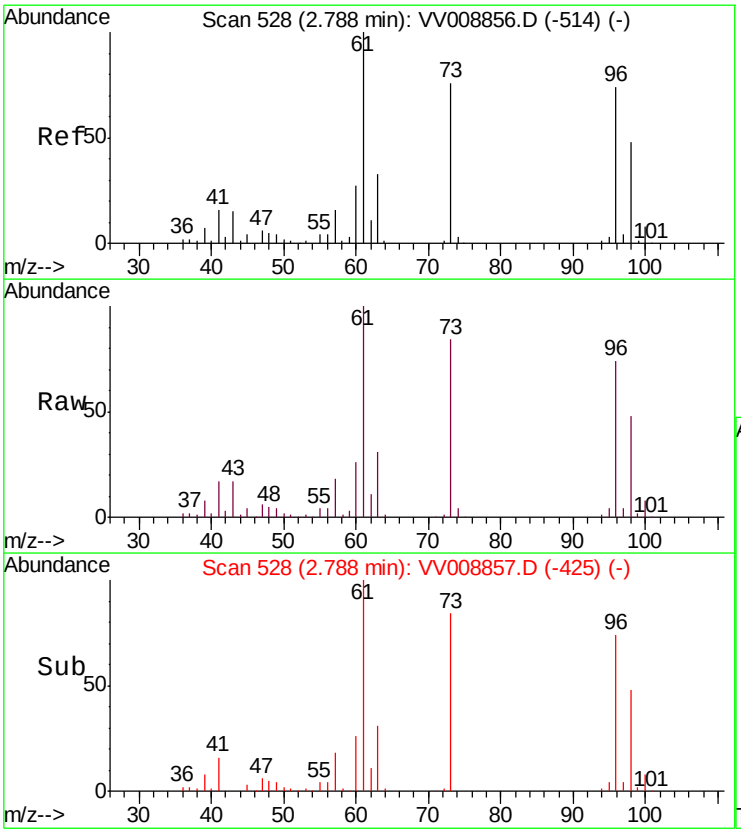

#17
Methyl tert-butyl Ether
Concen: 48.720 ug/L
RT: 2.80 min Scan# 532
Delta R.T. -0.00 min
Lab File: VV008857.D
Acq: 06 Dec 2018 13:28

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD05064

Tgt Ion: 73 Resp: 311804

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 43 | 18.8 | 14.9 | 22.3 |
| 57 | 21.1 | 16.0 | 24.0 |

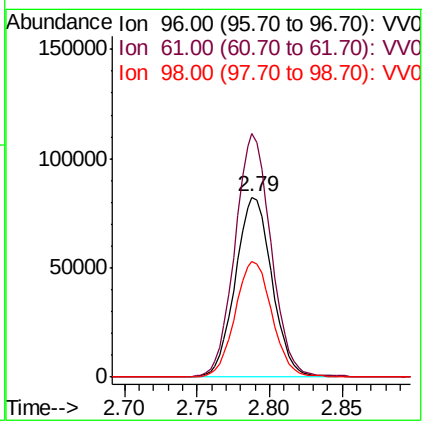


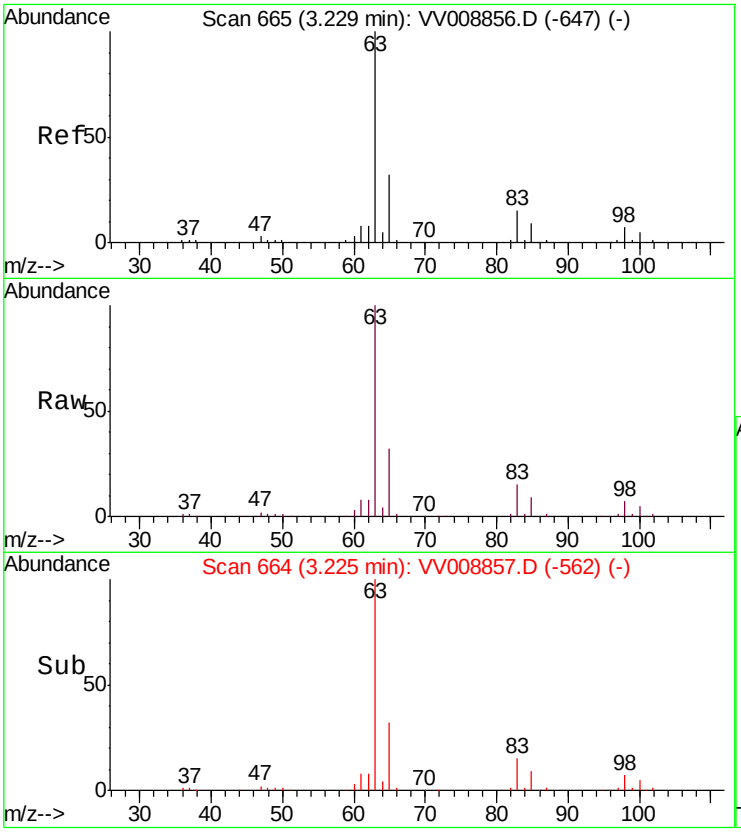




#18
trans-1,2-Dichloroethene
Concen: 44.885 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV008857.D
Acq: 06 Dec 2018 13:28

Tgt Ion: 96 Resp: 145057

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 135.2 | 94.6 | 175.8 |
| 98 | 64.3 | 45.3 | 84.1 |



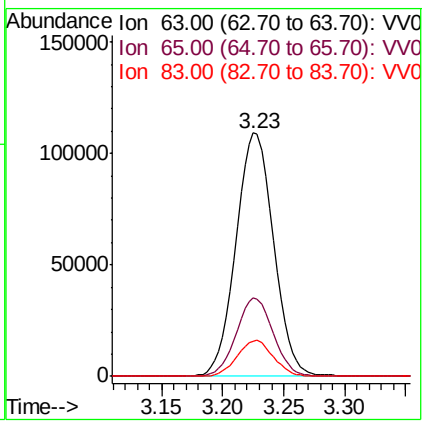


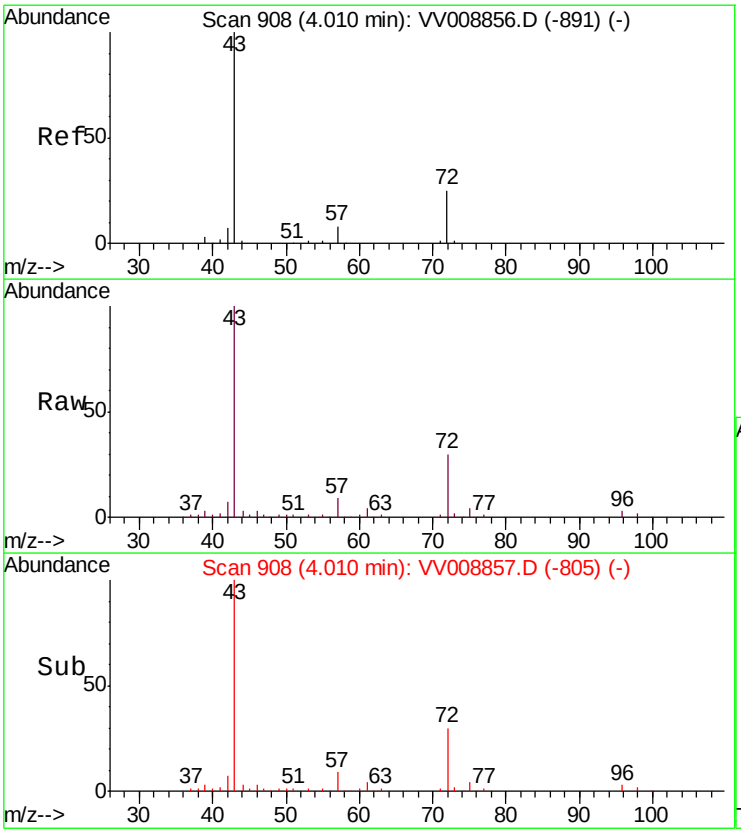

#19
1,1-Dichloroethane
Concen: 44.585 ug/L
RT: 3.23 min Scan# 664
Delta R.T. -0.00 min
Lab File: VV008857.D
Acq: 06 Dec 2018 13:28

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD05064

Tgt Ion: 63 Resp: 233338

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 32.1 | 22.7 | 42.1 |
| 83 | 14.6 | 10.2 | 19.0 |

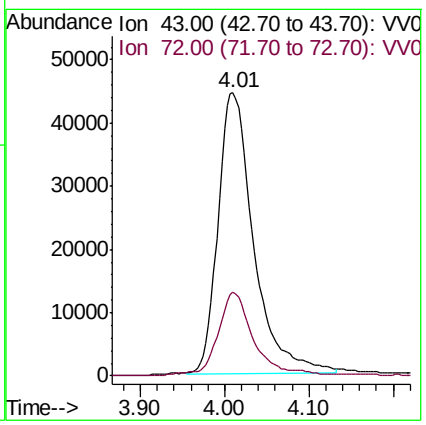


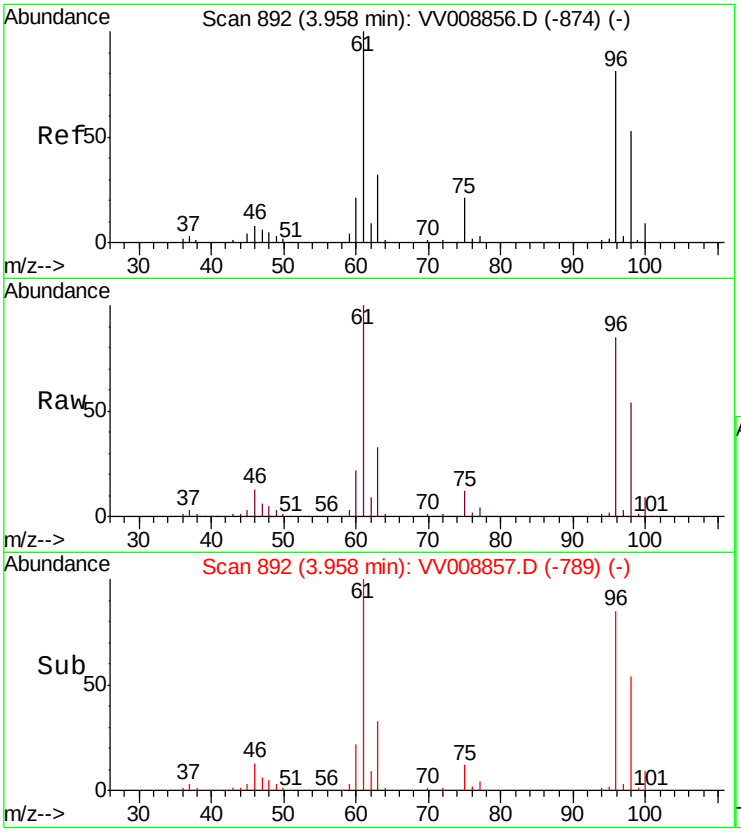




#21
2-Butanone
Concen: 104.886 ug/L
RT: 4.01 min Scan# 908
Delta R.T. -0.00 min
Lab File: VV008857.D
Acq: 06 Dec 2018 13:28

Tgt Ion: 43 Resp: 130240

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 29.1 | 13.7 | 41.1 |



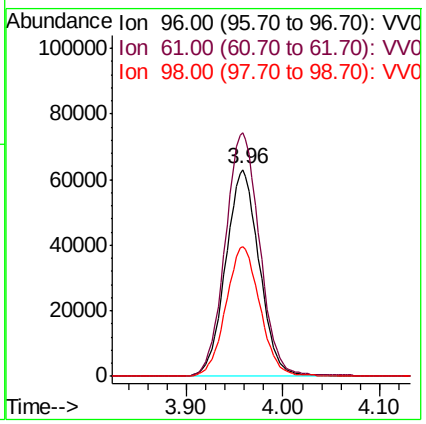


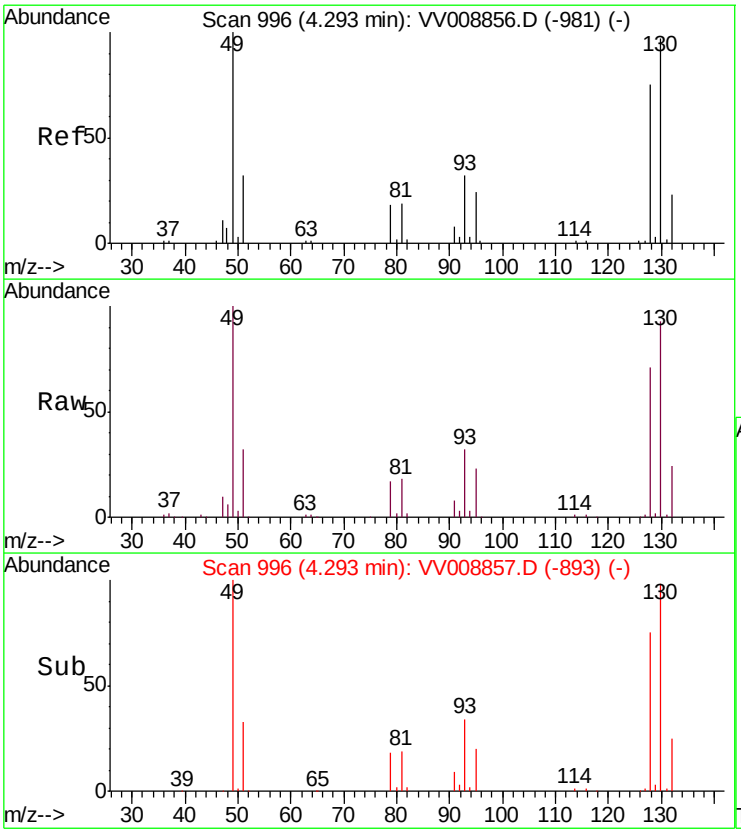

#22
cis-1,2-Dichloroethene
Concen: 45.942 ug/L
RT: 3.96 min Scan# 892
Delta R.T. -0.00 min
Lab File: VV008857.D
Acq: 06 Dec 2018 13:28

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD05064

Tgt Ion: 96 Resp: 152800

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 117.8 | 86.2 | 160.0 |
| 98 | 63.1 | 45.6 | 84.6 |

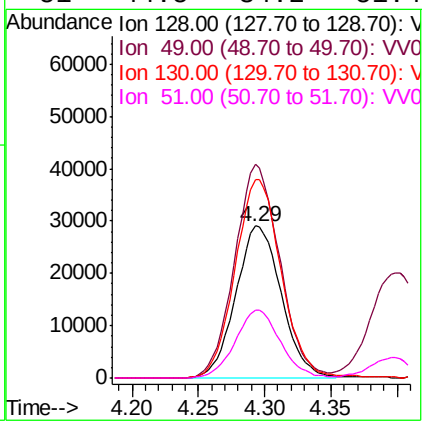


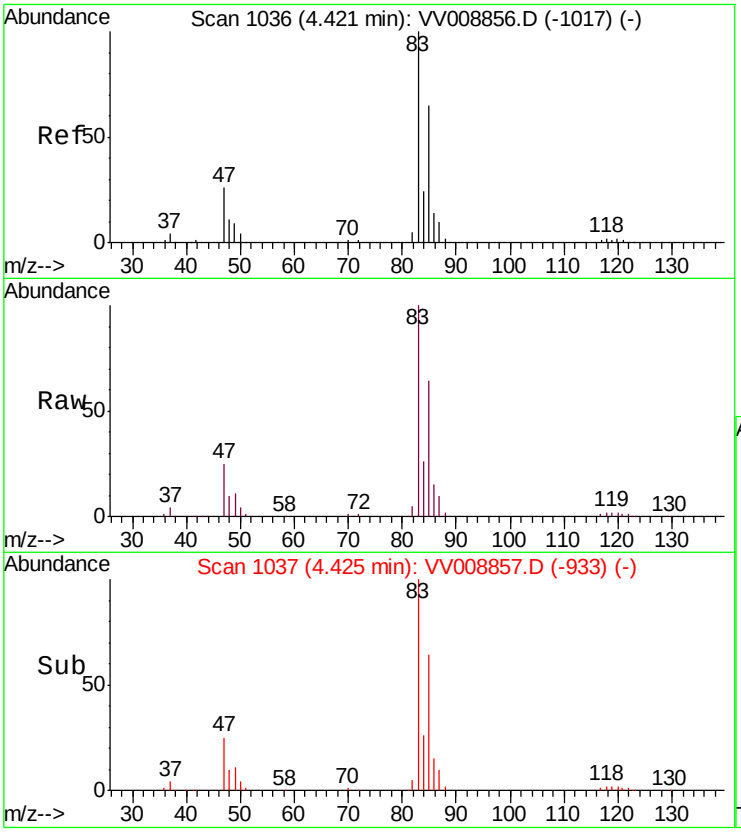




#23
Bromochloromethane
Concen: 46.458 ug/L
RT: 4.29 min Scan# 996
Delta R.T. -0.00 min
Lab File: VV008857.D
Acq: 06 Dec 2018 13:28

Tgt Ion:128 Resp: 69737

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 49 | 140.6 | 93.8 | 174.2 |
| 130 | 130.3 | 90.4 | 168.0 |
| 51 | 44.5 | 34.2 | 51.4 |



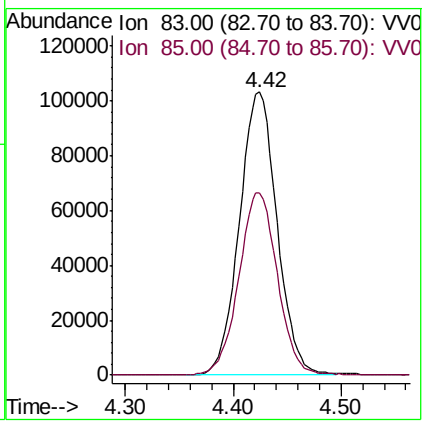


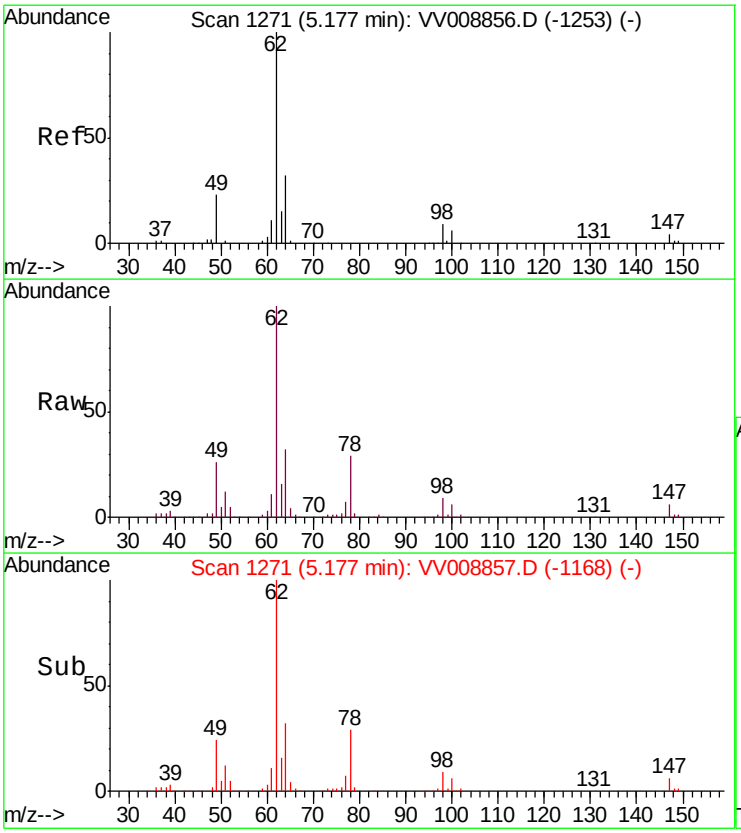

#25
Chloroform
Concen: 44.995 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV008857.D
Acq: 06 Dec 2018 13:28

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD05064

Tgt Ion: 83 Resp: 250402

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 66.1 | 45.6 | 84.8 |

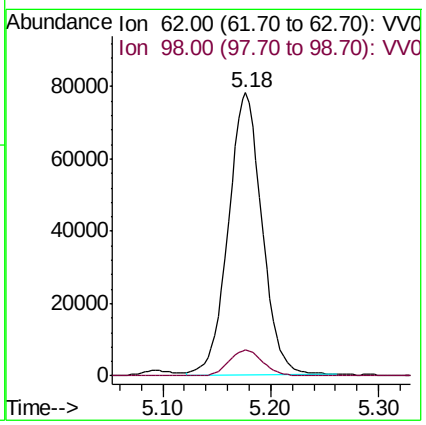


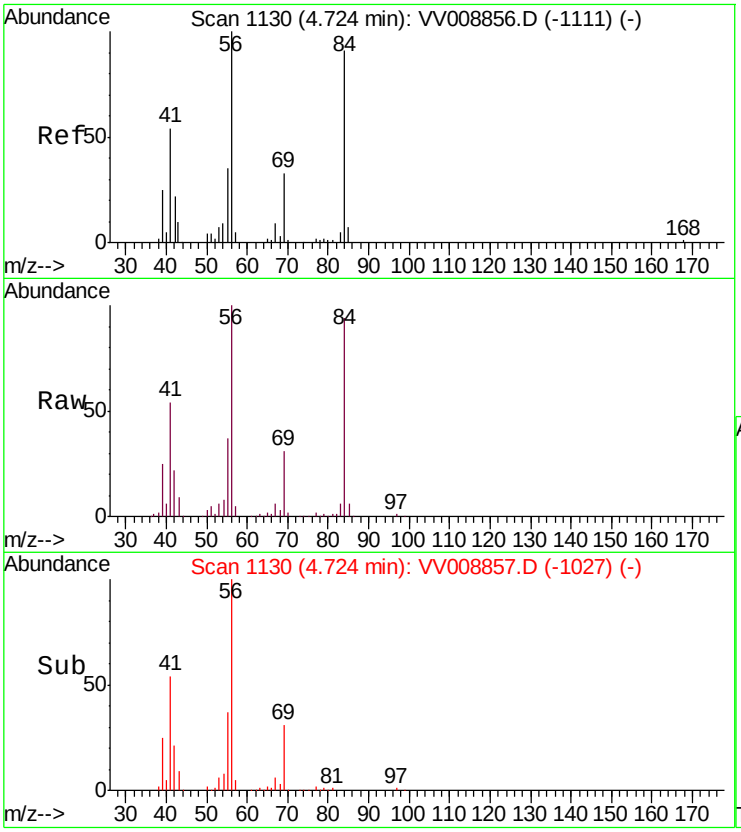




#27
1,2-Dichloroethane
Concen: 46.623 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV008857.D
Acq: 06 Dec 2018 13:28

Tgt Ion: 62 Resp: 169620

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.1 | 7.4 | 11.0 |



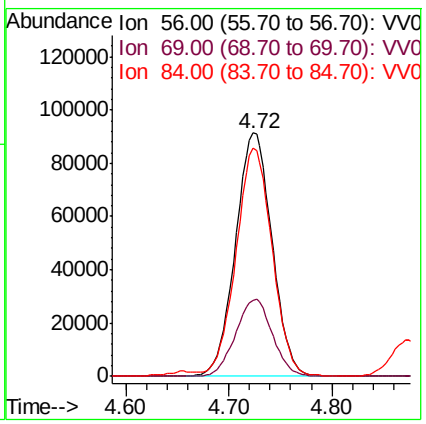


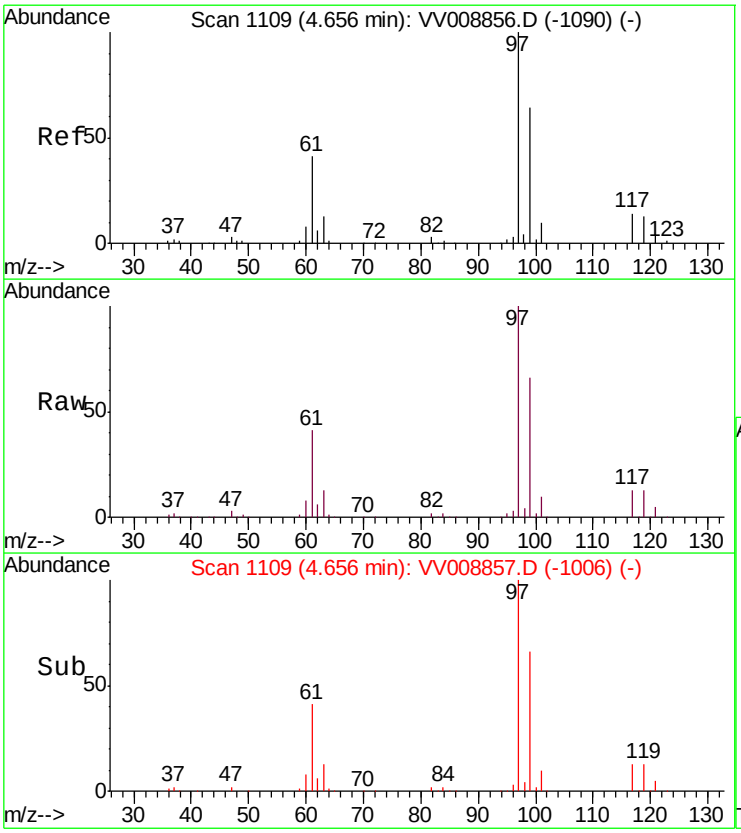

#30
Cyclohexane
Concen: 44.806 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. -0.00 min
Lab File: VV008857.D
Acq: 06 Dec 2018 13:28

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD05064

Tgt Ion: 56 Resp: 225161

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 31.9 | 25.8 | 38.8 |
| 84 | 92.9 | 73.0 | 109.6 |

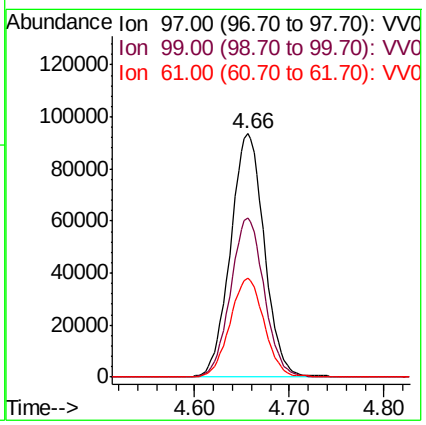


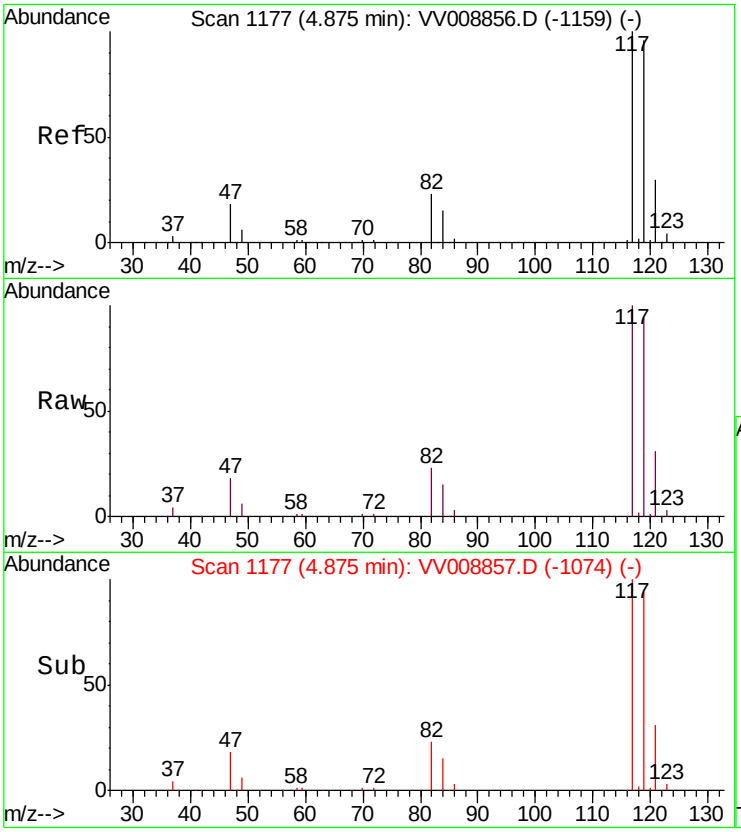




#31
1,1,1-Trichloroethane
Concen: 44.913 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. -0.00 min
Lab File: VV008857.D
Acq: 06 Dec 2018 13:28

Tgt Ion: 97 Resp: 232497

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.9 | 51.9 | 77.9 |
| 61 | 41.1 | 33.1 | 49.7 |



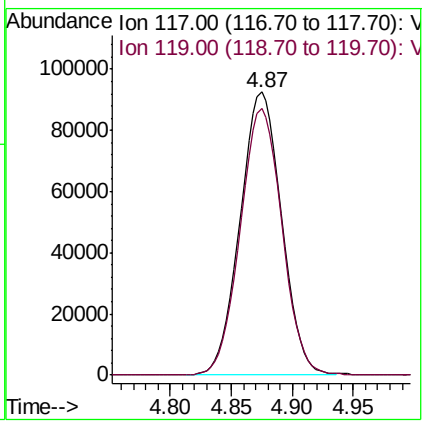


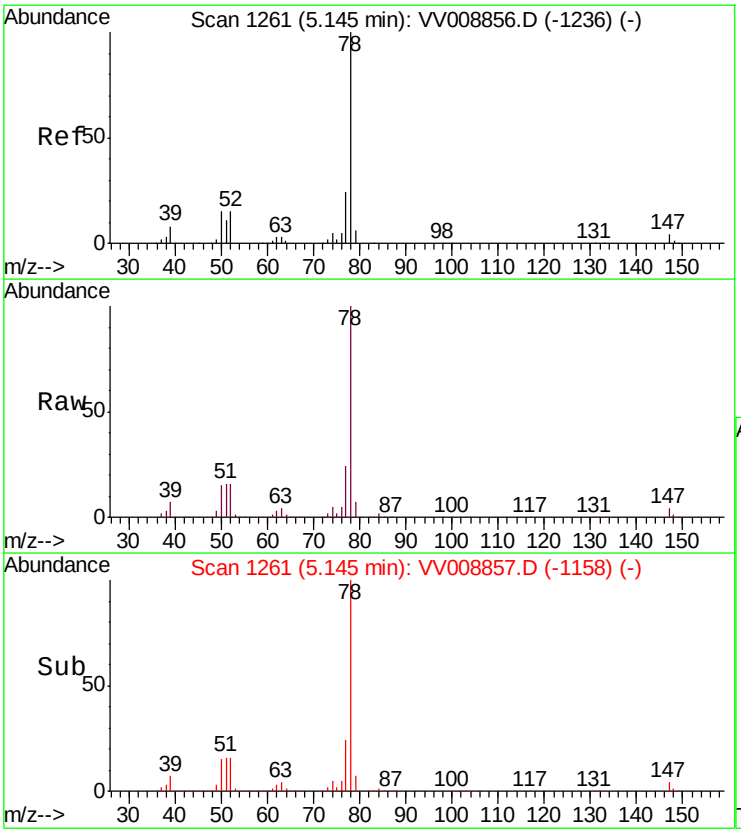

#32
Carbon tetrachloride
Concen: 45.391 ug/L
RT: 4.87 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VV008857.D
Acq: 06 Dec 2018 13:28

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD05064

Tgt Ion:117 Resp: 217826

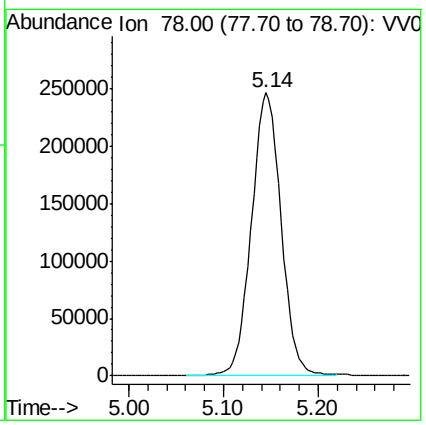
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.8 | 77.1 | 115.7 |

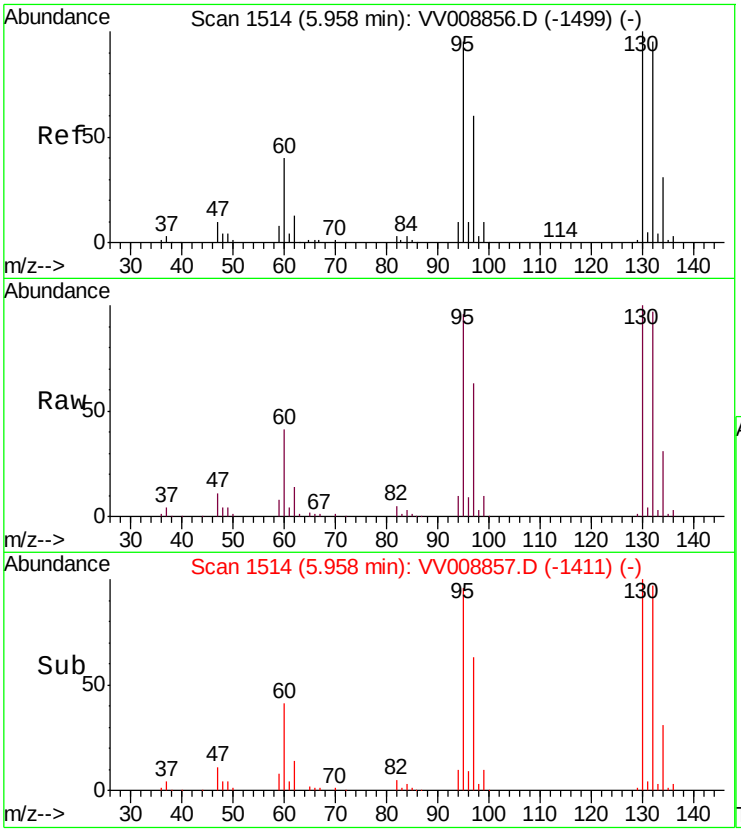



#34
Benzene
Concen: 44.704 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. -0.00 min
Lab File: VV008857.D
Acq: 06 Dec 2018 13:28

Tgt Ion: 78 Resp: 537657



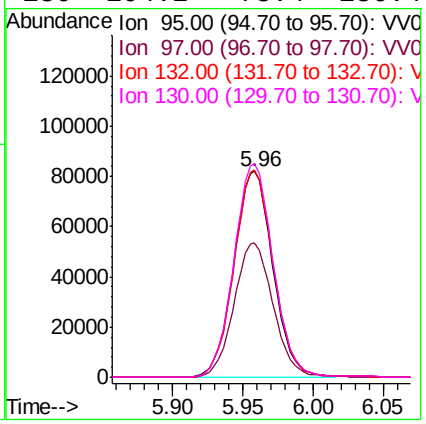


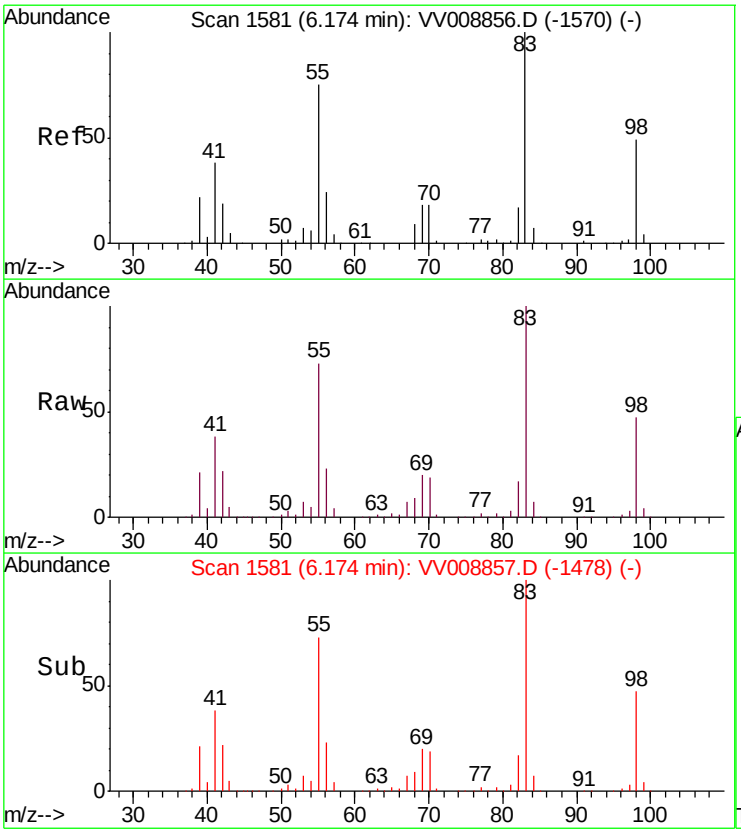

#35
Trichloroethene
Concen: 44.480 ug/L
RT: 5.96 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VV008857.D
Acq: 06 Dec 2018 13:28

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD05064

Tgt Ion: 95 Resp: 159221

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 65.4 | 45.3 | 84.1 |
| 132 | 100.7 | 70.0 | 130.0 |
| 130 | 104.2 | 73.4 | 136.4 |

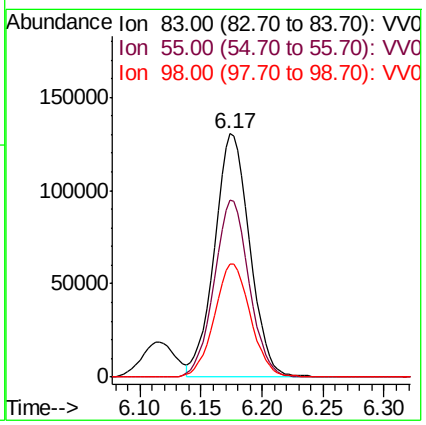


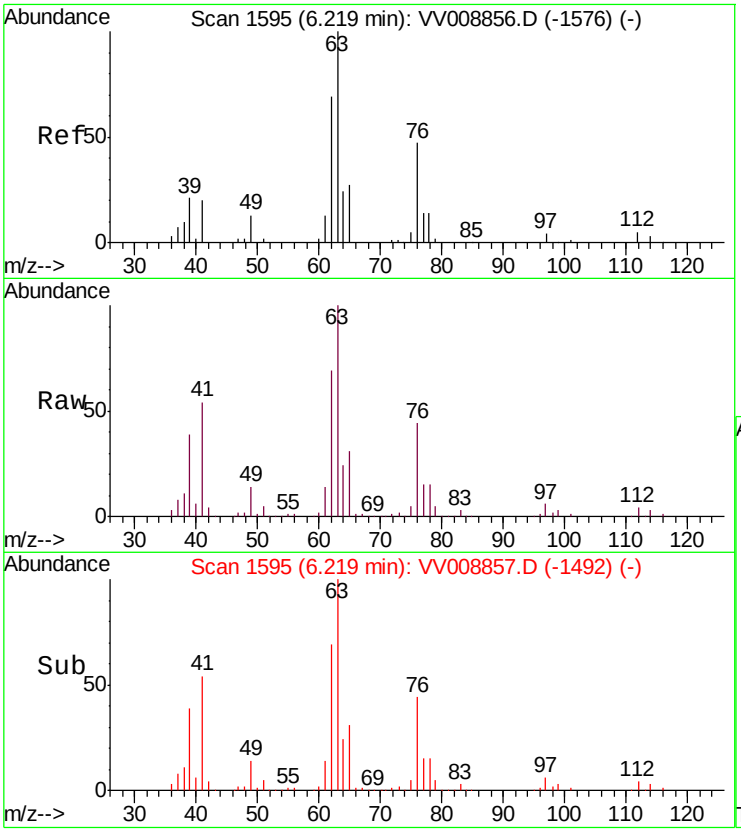




#36
Methylcyclohexane
Concen: 44.888 ug/L
RT: 6.17 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VV008857.D
Acq: 06 Dec 2018 13:28

Tgt Ion: 83 Resp: 264146

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 72.2 | 58.2 | 87.2 |
| 98 | 47.7 | 37.8 | 56.8 |



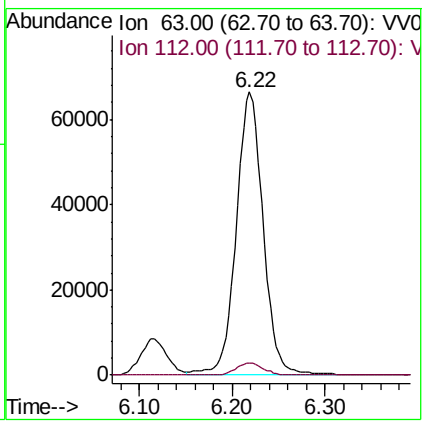


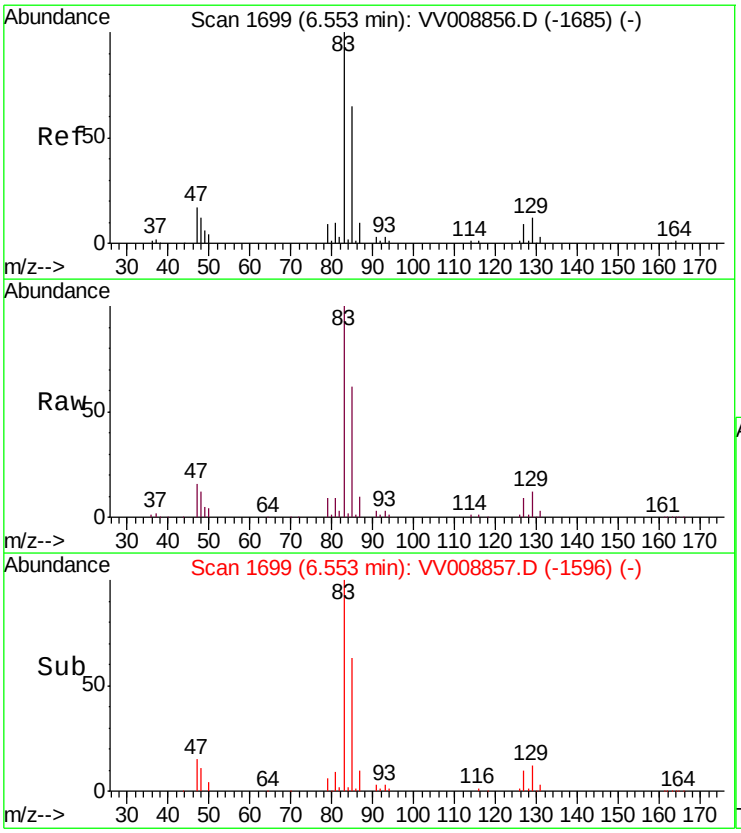

#40
1,2-Dichloropropane
Concen: 45.795 ug/L
RT: 6.22 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VV008857.D
Acq: 06 Dec 2018 13:28

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD05064

Tgt Ion: 63 Resp: 132358

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 4.4 | 3.8 | 5.8 |

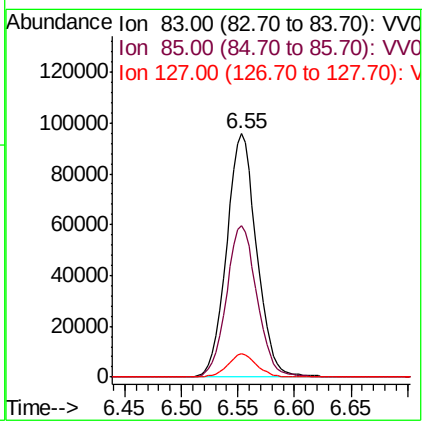


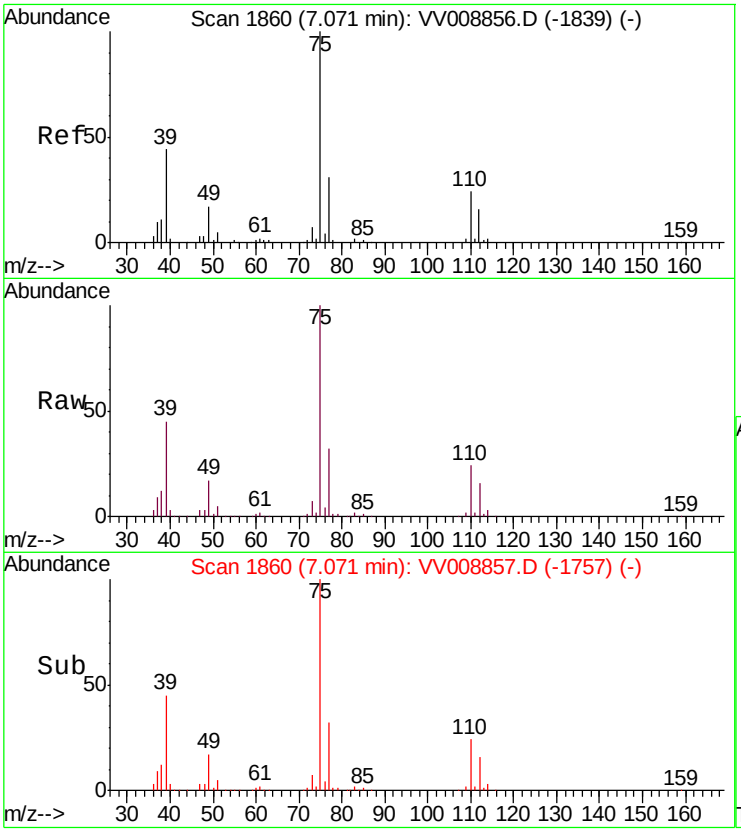




#41
Bromodichloromethane
Concen: 46.605 ug/L
RT: 6.55 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VV008857.D
Acq: 06 Dec 2018 13:28

Tgt Ion: 83 Resp: 176766

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.3 | 45.3 | 84.1 |
| 127 | 9.5 | 7.2 | 10.8 |



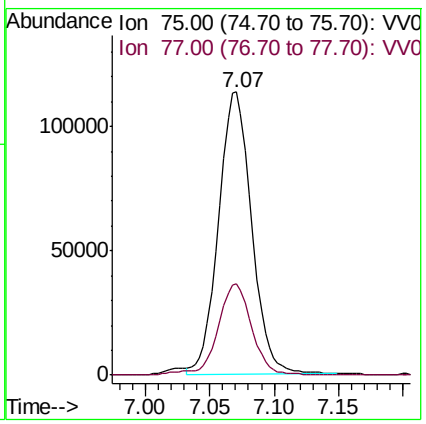


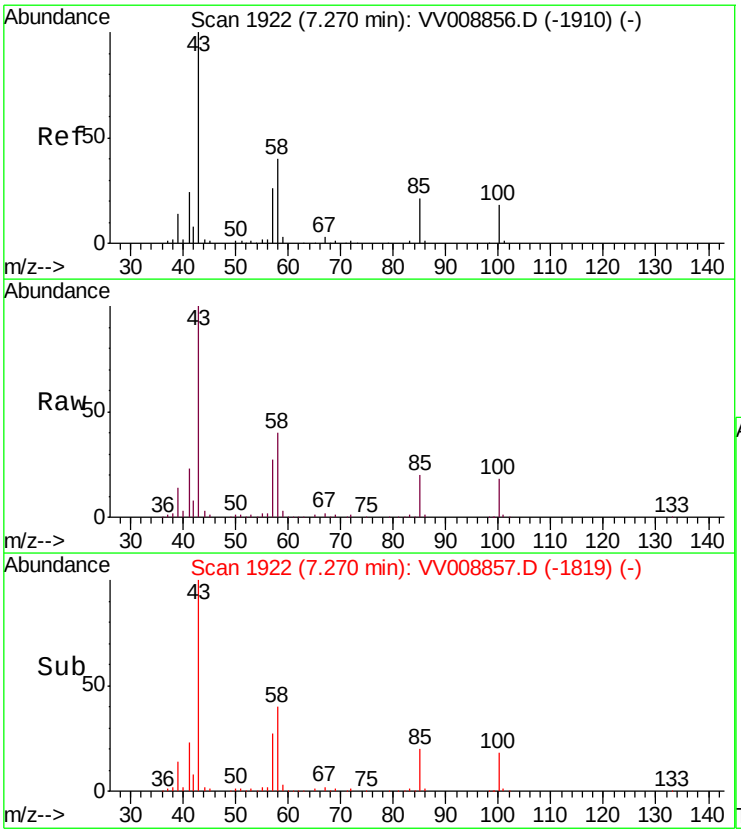

#42
cis-1,3-Dichloropropene
Concen: 45.755 ug/L
RT: 7.07 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VV008857.D
Acq: 06 Dec 2018 13:28

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD05064

Tgt Ion: 75 Resp: 202568

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.2 | 21.3 | 39.6 |

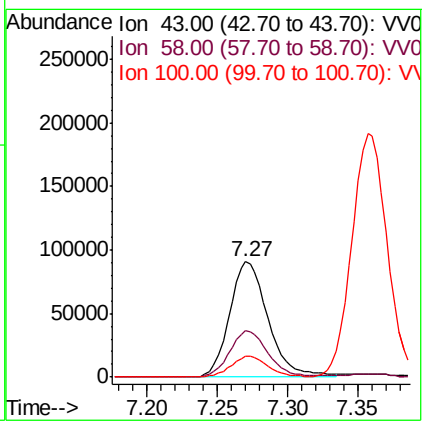


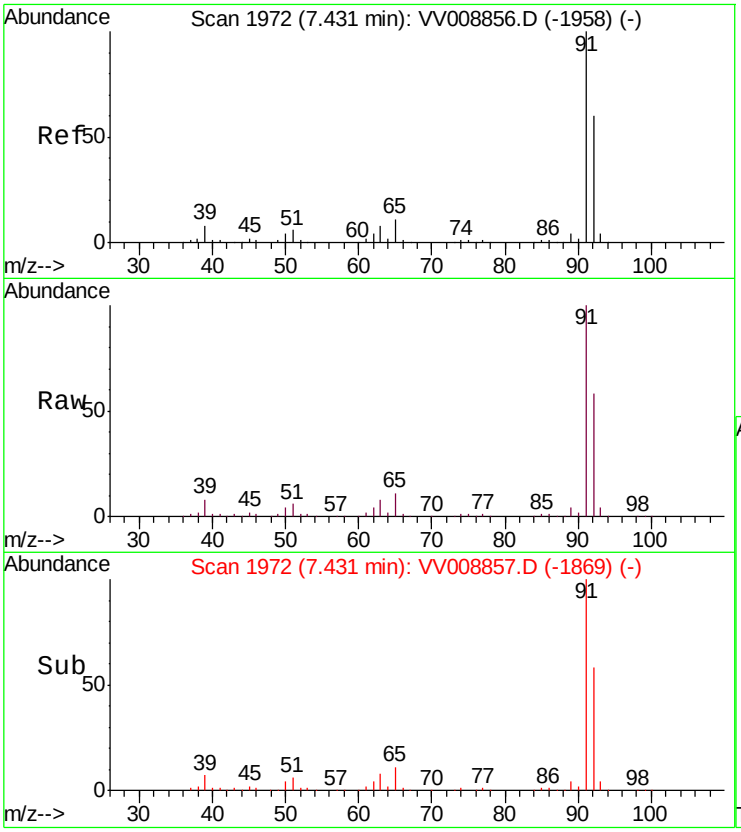




#43
4-Methyl-2-pentanone
Concen: 99.880 ug/L
RT: 7.27 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VV008857.D
Acq: 06 Dec 2018 13:28

Tgt Ion: 43 Resp: 173937

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 40.1 | 32.2 | 48.4 |
| 100 | 17.5 | 13.8 | 20.8 |



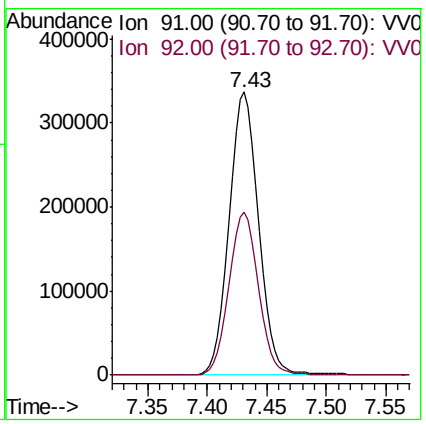


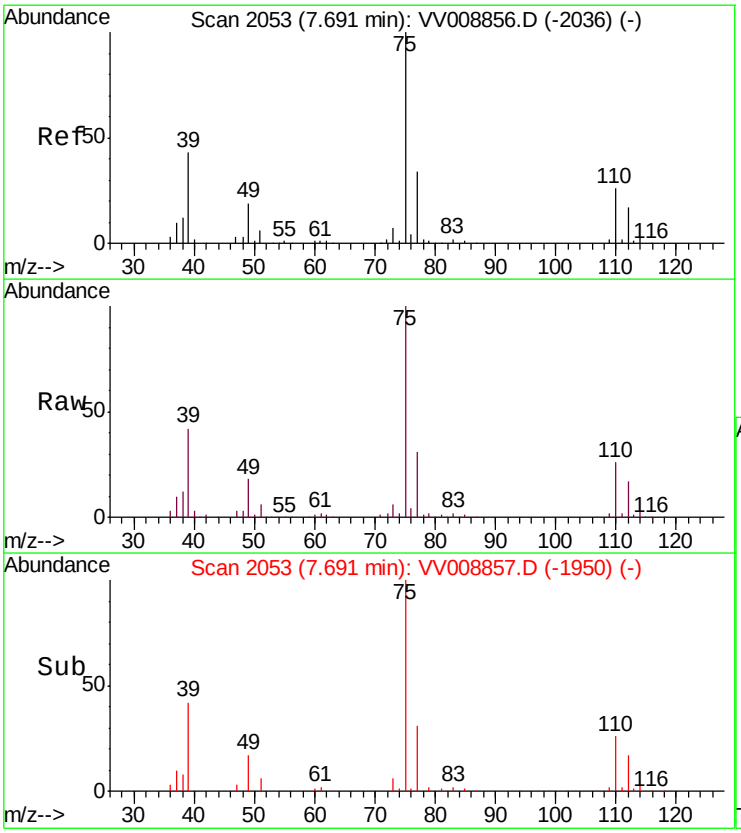

#44
Toluene
Concen: 45.623 ug/L
RT: 7.43 min Scan# 1972
Delta R.T. -0.00 min
Lab File: VV008857.D
Acq: 06 Dec 2018 13:28

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD05064

Tgt Ion: 91 Resp: 579460

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 57.7 | 41.7 | 77.5 |

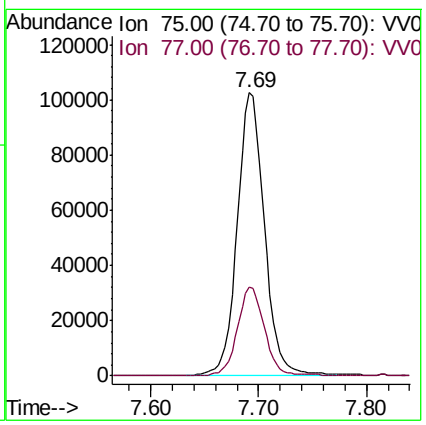


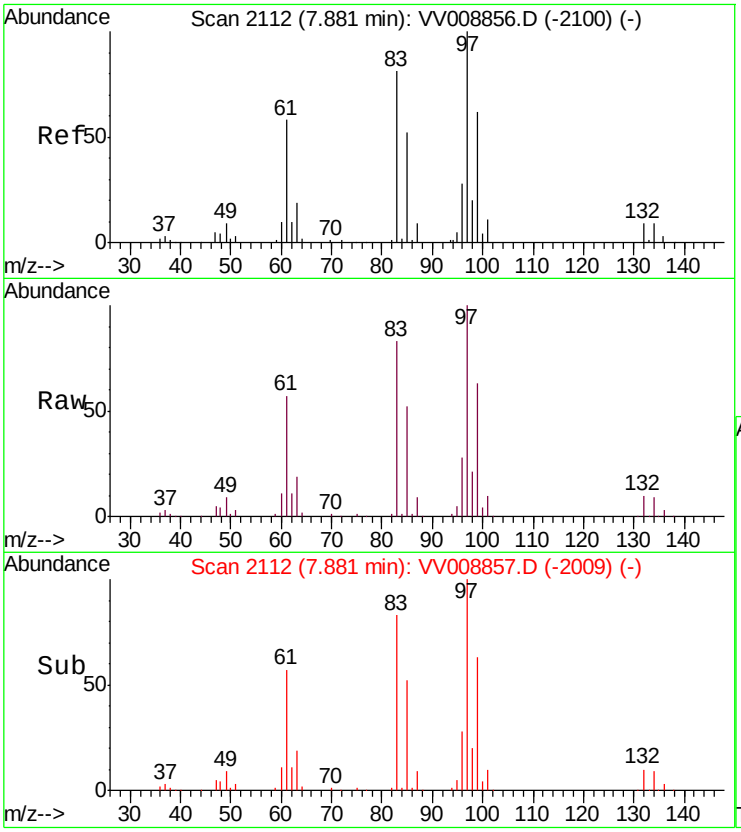




#45
trans-1,3-Dichloropropene
Concen: 48.792 ug/L
RT: 7.69 min Scan# 2053
Delta R.T. -0.00 min
Lab File: VV008857.D
Acq: 06 Dec 2018 13:28

Tgt Ion: 75 Resp: 180786

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.3 | 23.6 | 43.8 |



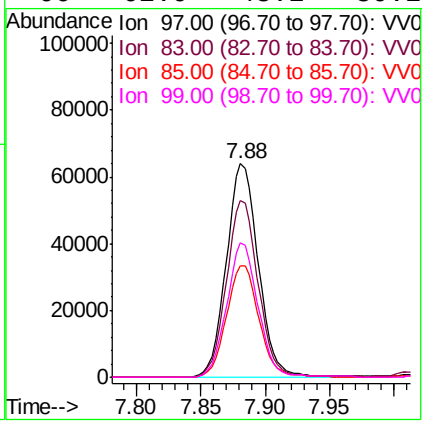


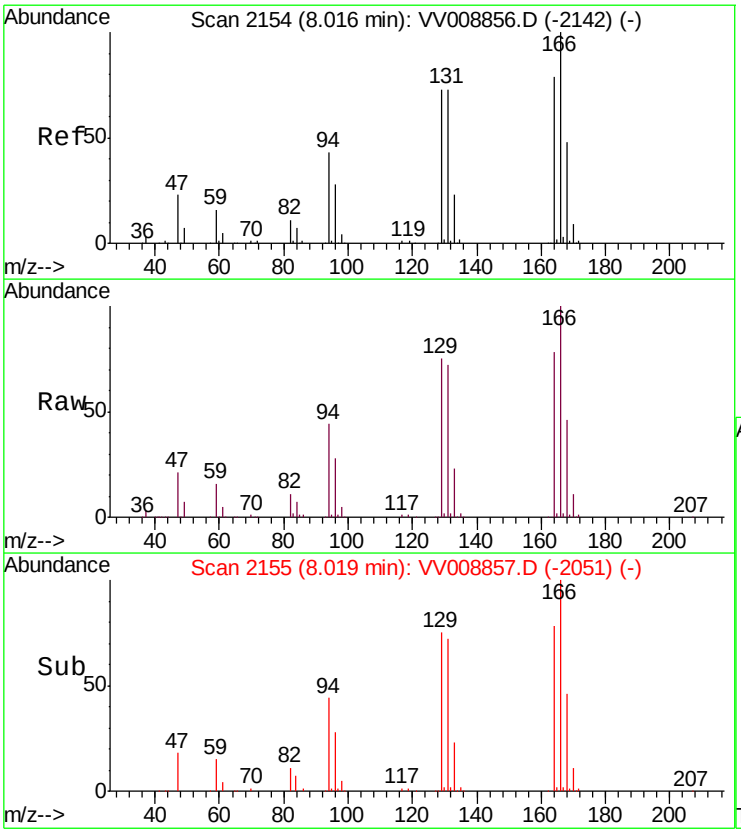

#46
1,1,2-Trichloroethane
Concen: 47.371 ug/L
RT: 7.88 min Scan# 2112
Delta R.T. -0.00 min
Lab File: VV008857.D
Acq: 06 Dec 2018 13:28

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD05064

Tgt Ion: 97 Resp: 110003

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 82.7 | 56.6 | 105.2 |
| 85 | 52.2 | 36.6 | 68.0 |
| 99 | 62.9 | 43.2 | 80.2 |

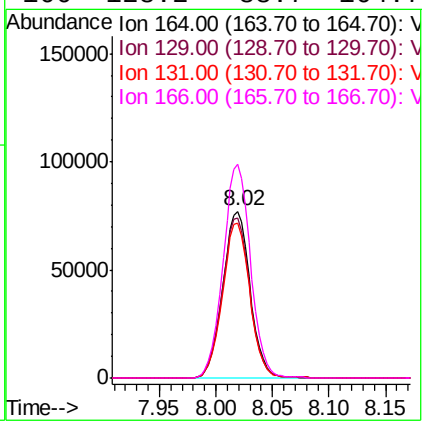


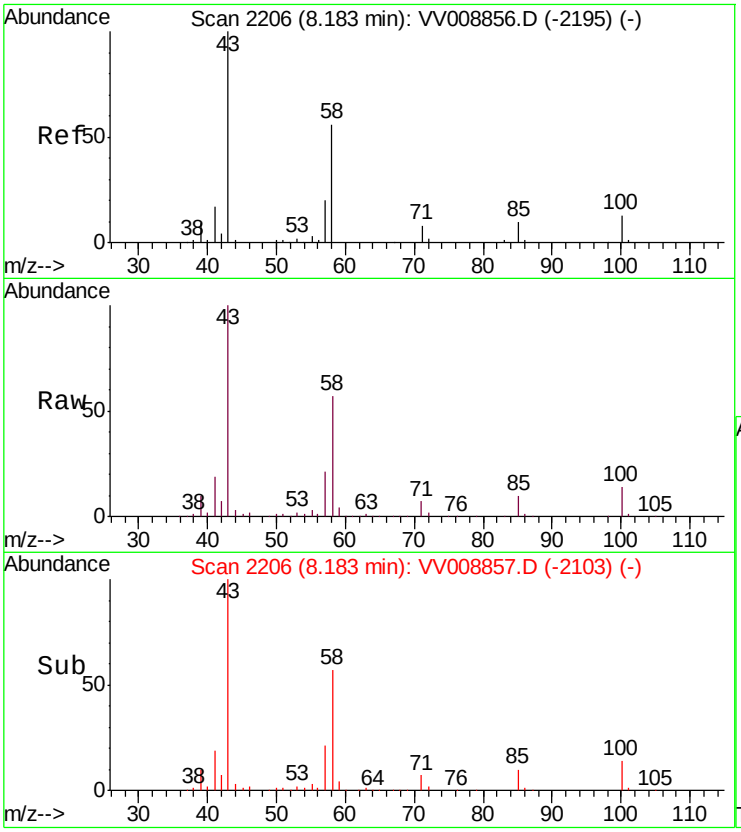




#47
Tetrachloroethene
Concen: 44.943 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. 0.00 min
Lab File: VV008857.D
Acq: 06 Dec 2018 13:28

Tgt Ion:164 Resp: 129825

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 95.9 | 64.6 | 120.0 |
| 131 | 92.8 | 64.5 | 119.7 |
| 166 | 128.2 | 88.7 | 164.7 |



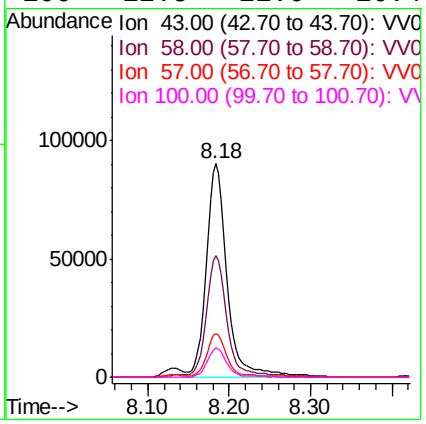


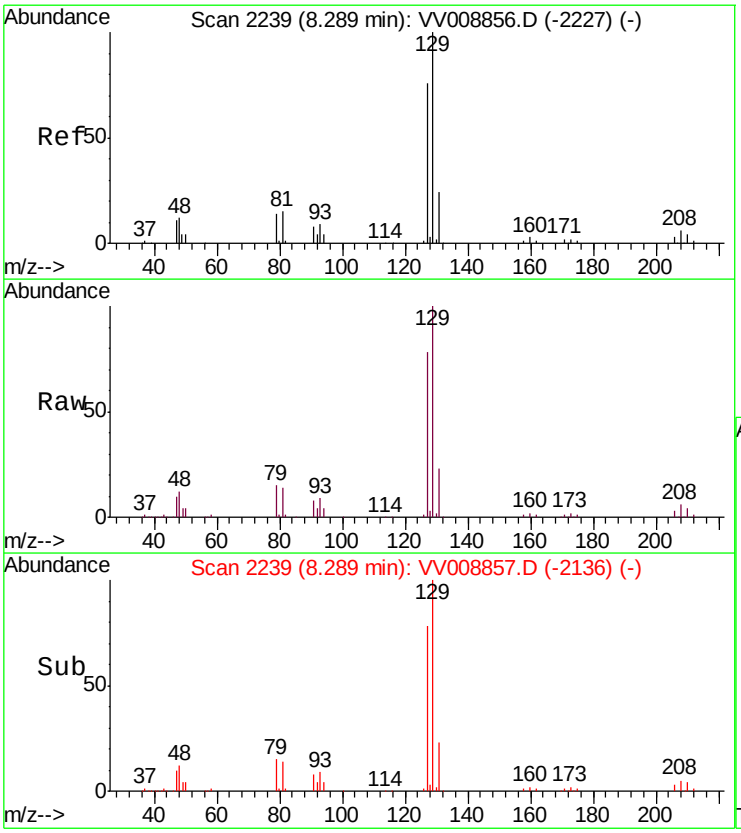

#49
2-Hexanone
Concen: 105.233 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VV008857.D
Acq: 06 Dec 2018 13:28

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD05064

Tgt Ion: 43 Resp: 161909

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 53.9 | 43.9 | 65.9 |
| 57 | 18.8 | 15.7 | 23.5 |
| 100 | 12.5 | 11.0 | 16.4 |

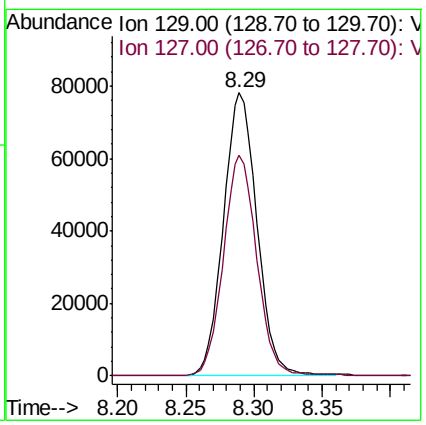


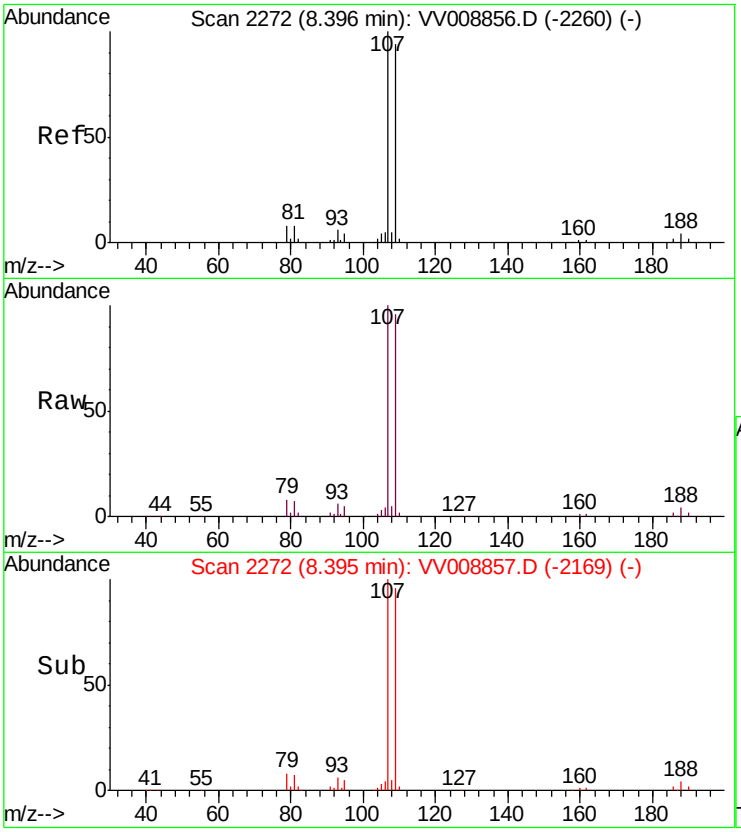




#50
Dibromochloromethane
Concen: 48.393 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV008857.D
Acq: 06 Dec 2018 13:28

Tgt Ion:129 Resp: 133640

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 78.0 | 53.5 | 99.3 |



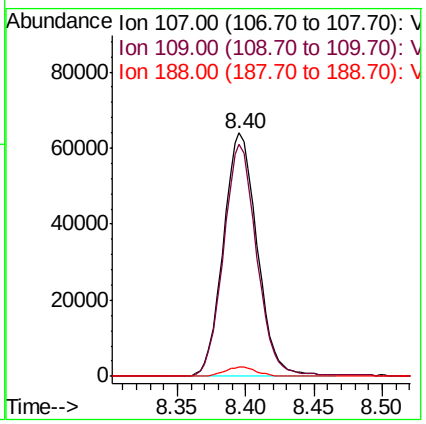


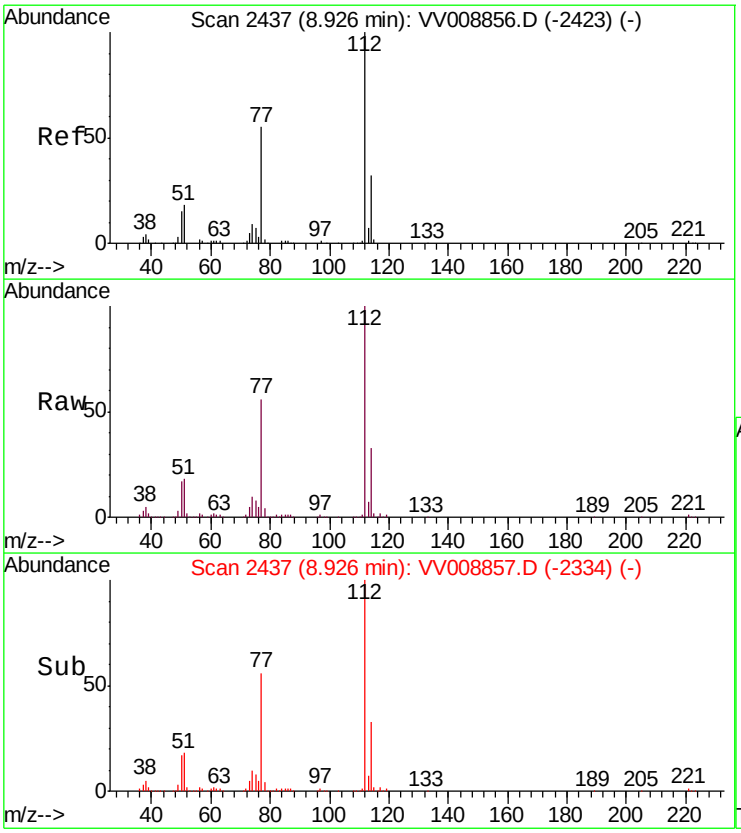

#51
1,2-Dibromoethane
Concen: 47.303 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VV008857.D
Acq: 06 Dec 2018 13:28

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD05064

Tgt Ion:107 Resp: 110487

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 95.6 | 65.8 | 122.2 |
| 188 | 3.7 | 3.0 | 4.6 |

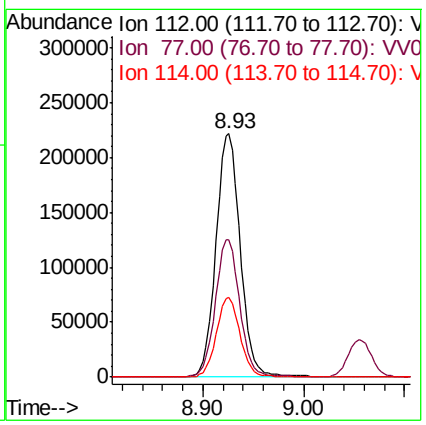


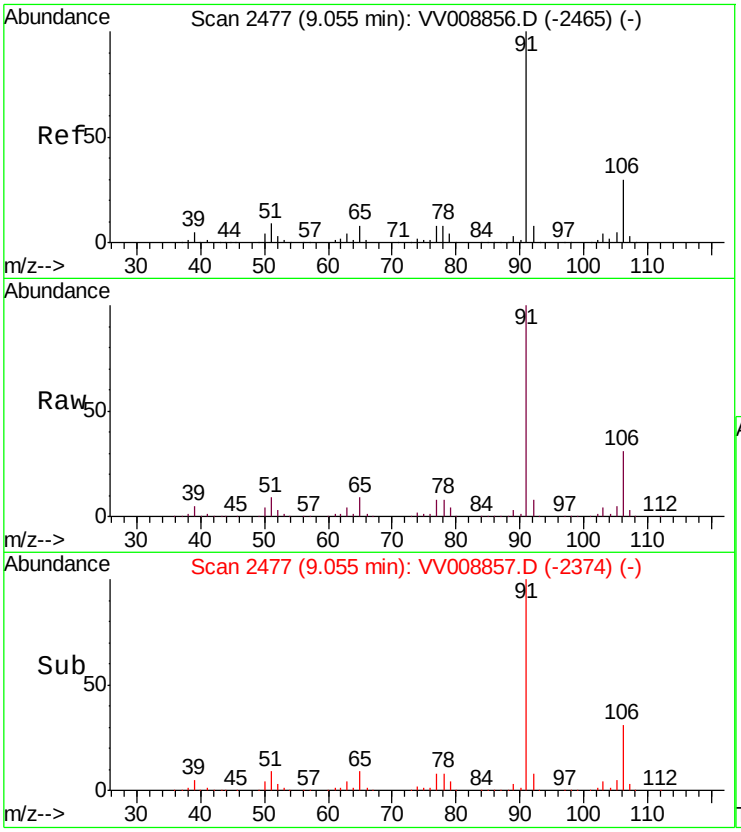




#52
Chlorobenzene
Concen: 45.989 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. -0.00 min
Lab File: VV008857.D
Acq: 06 Dec 2018 13:28

Tgt Ion:112 Resp: 373089

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 77 | 56.3 | 44.6 | 66.8 |
| 114 | 32.5 | 22.6 | 42.0 |



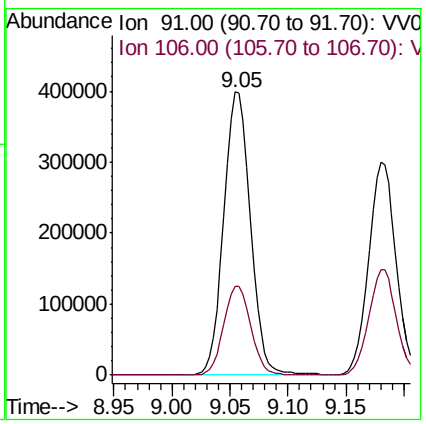


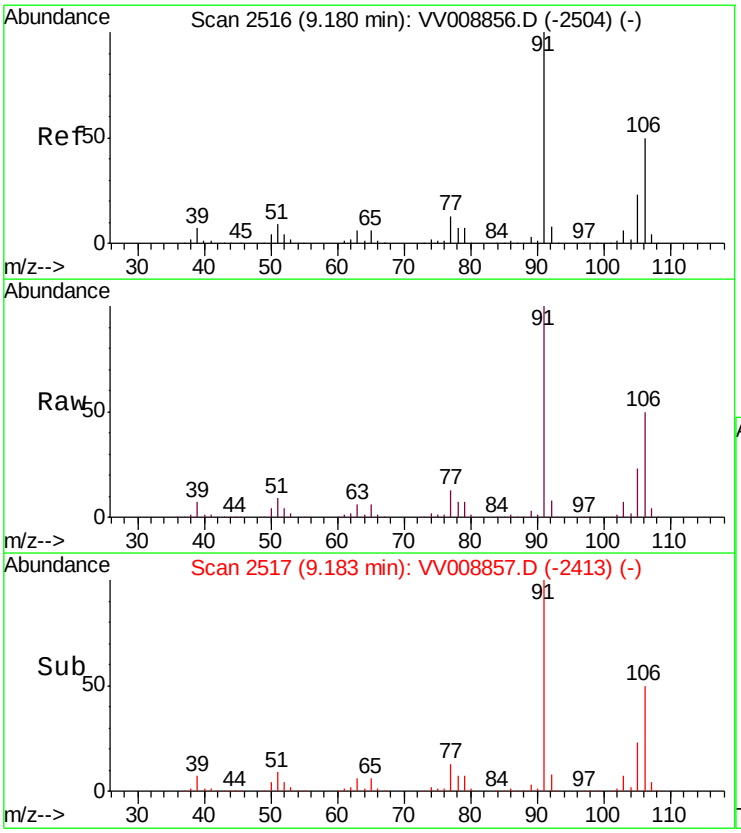

#53
Ethylbenzene
Concen: 45.578 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. -0.00 min
Lab File: VV008857.D
Acq: 06 Dec 2018 13:28

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD05064

Tgt Ion: 91 Resp: 635064

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 31.4 | 21.3 | 39.5 |

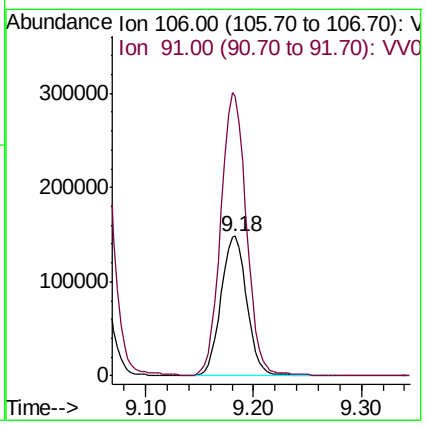


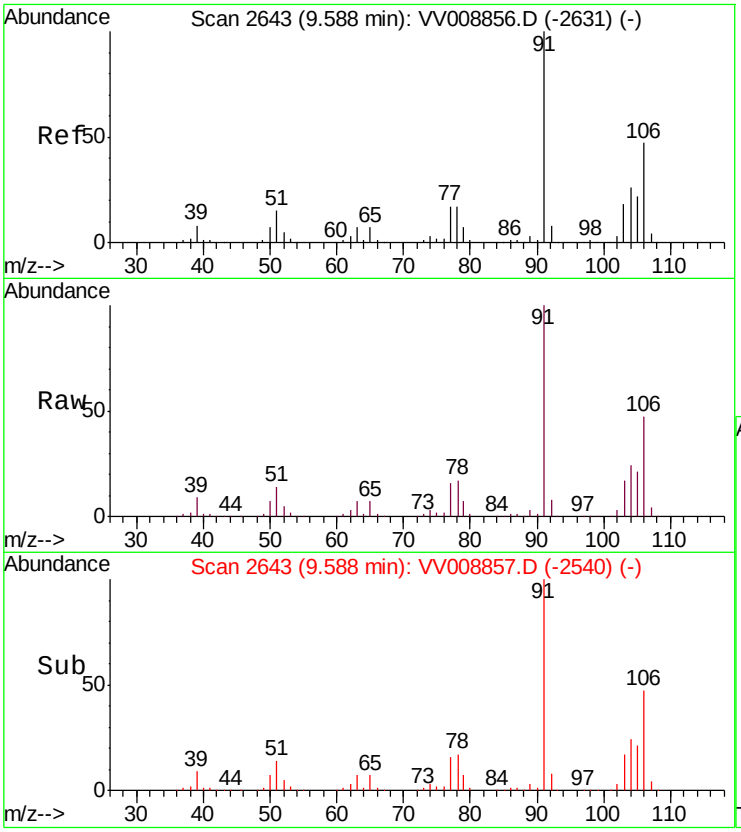




#54
m,p-Xylene
Concen: 46.810 ug/L
RT: 9.18 min Scan# 2517
Delta R.T. 0.00 min
Lab File: VV008857.D
Acq: 06 Dec 2018 13:28

Tgt Ion:106 Resp: 248443

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 200.3 | 141.3 | 262.3 |



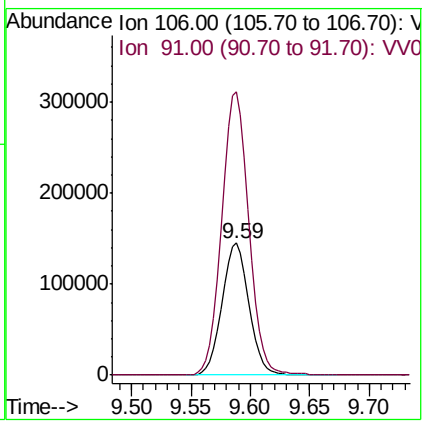


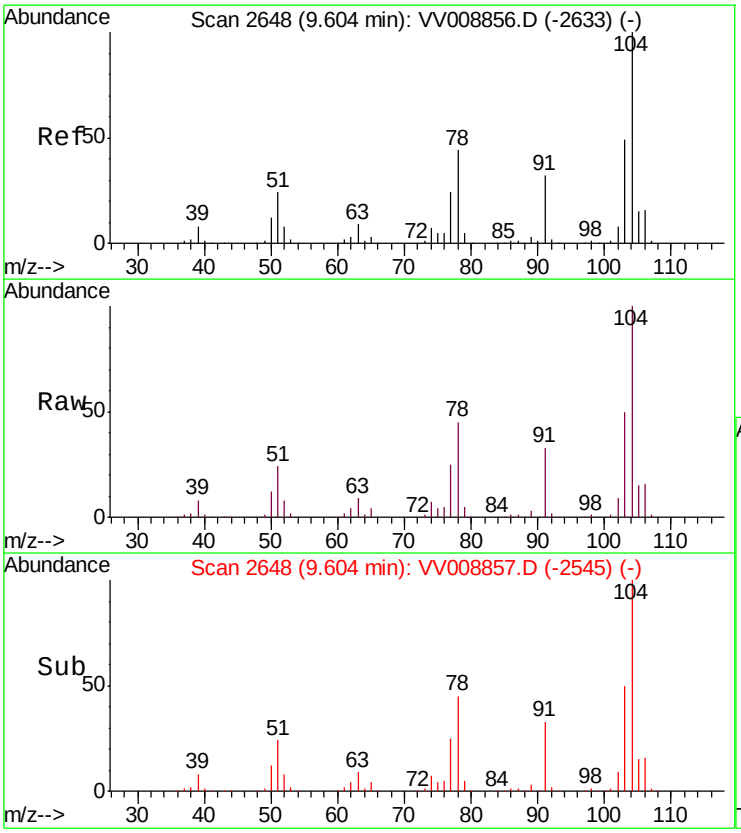

#55
o-xylene
Concen: 46.391 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. -0.00 min
Lab File: VV008857.D
Acq: 06 Dec 2018 13:28

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD05064

Tgt Ion:106 Resp: 228241

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 214.1 | 148.3 | 275.5 |

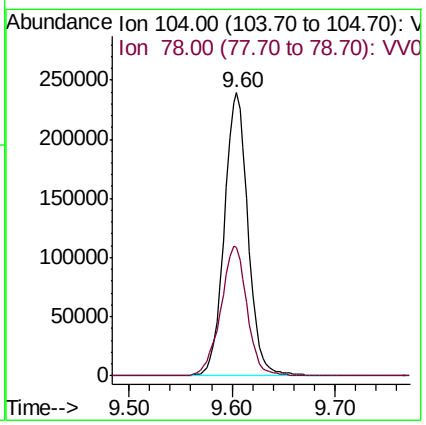


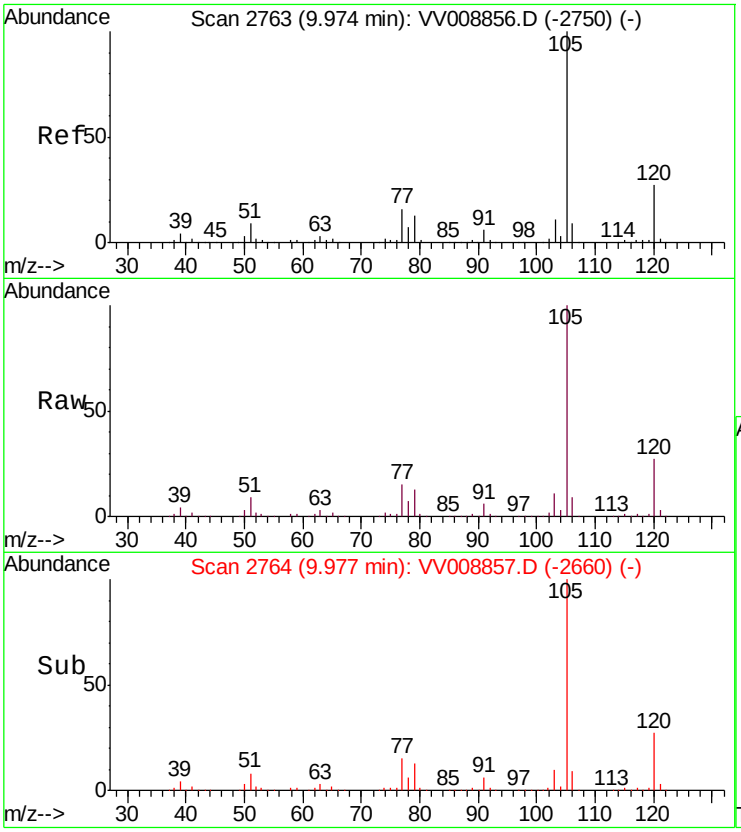




#56
Styrene
Concen: 47.015 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. -0.00 min
Lab File: VV008857.D
Acq: 06 Dec 2018 13:28

Tgt Ion:104 Resp: 383653

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 45.3 | 30.6 | 56.8 |



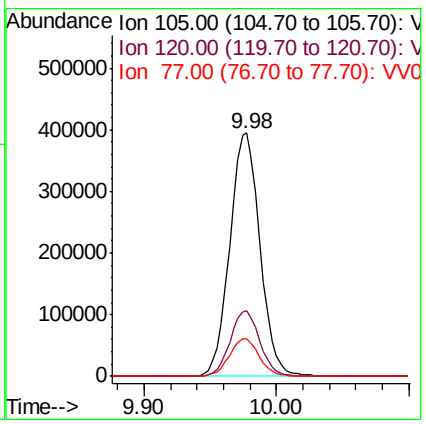


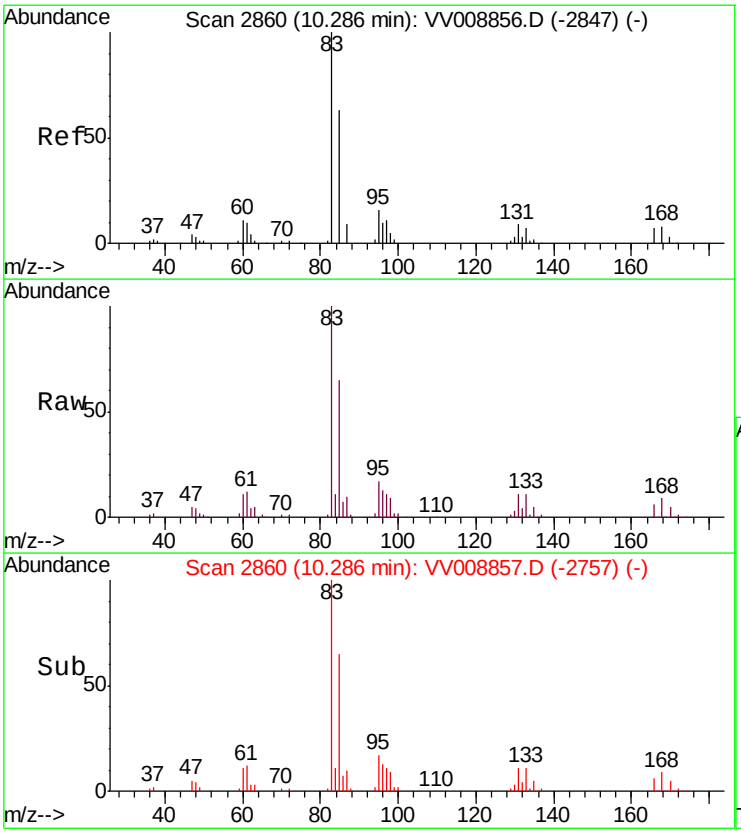

#57
Isopropylbenzene
Concen: 47.005 ug/L
RT: 9.98 min Scan# 2764
Delta R.T. 0.00 min
Lab File: VV008857.D
Acq: 06 Dec 2018 13:28

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD05064

Tgt Ion:105 Resp: 623949

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.7 | 21.7 | 32.5 |
| 77 | 15.3 | 12.4 | 18.6 |

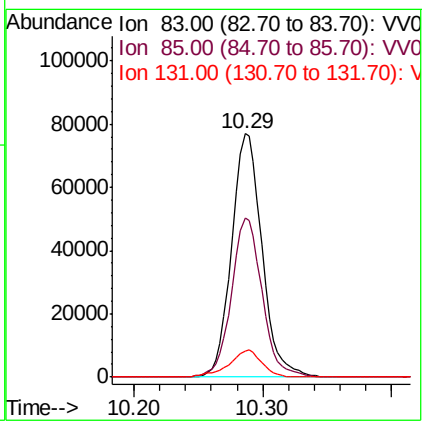


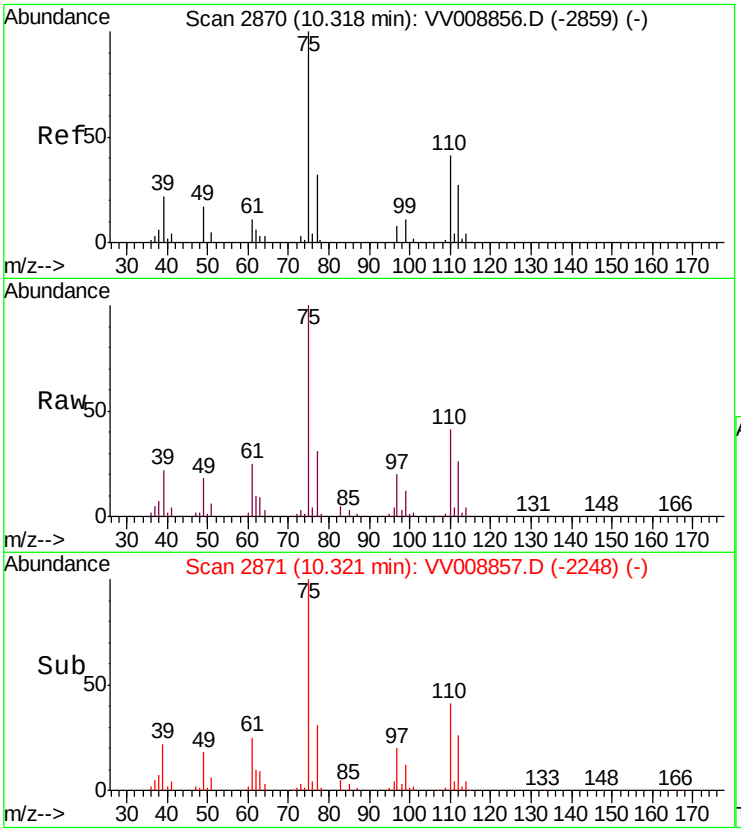




#58
1,1,2,2-Tetrachloroethane
Concen: 49.532 ug/L
RT: 10.29 min Scan# 2860
Delta R.T. -0.00 min
Lab File: VV008857.D
Acq: 06 Dec 2018 13:28

Tgt Ion: 83 Resp: 125937

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.3 | 44.3 | 82.3 |
| 131 | 10.9 | 7.8 | 11.8 |



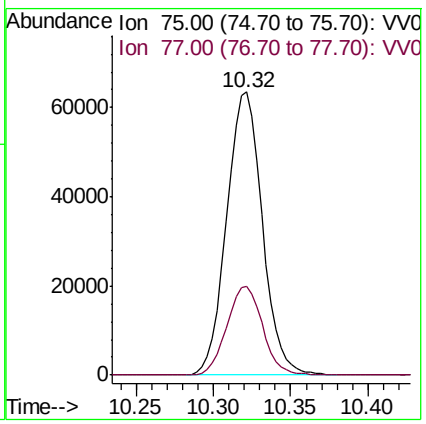


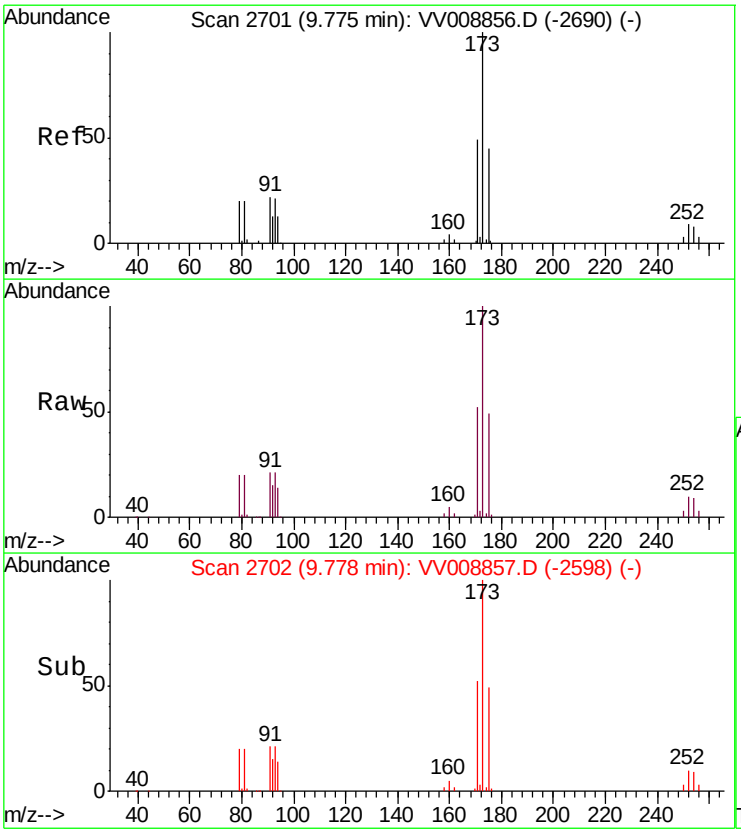

#59
1,2,3-Trichloropropane
Concen: 48.666 ug/L
RT: 10.32 min Scan# 2871
Delta R.T. 0.00 min
Lab File: VV008857.D
Acq: 06 Dec 2018 13:28

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD05064

Tgt Ion: 75 Resp: 101515

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.4 | 25.6 | 38.4 |

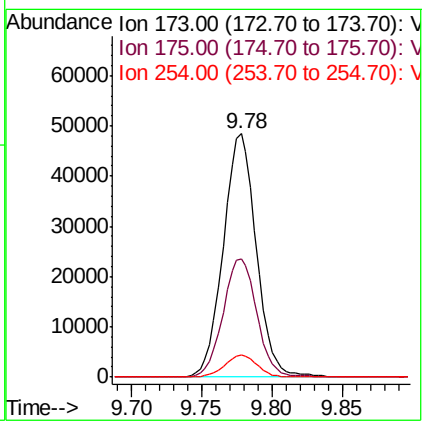


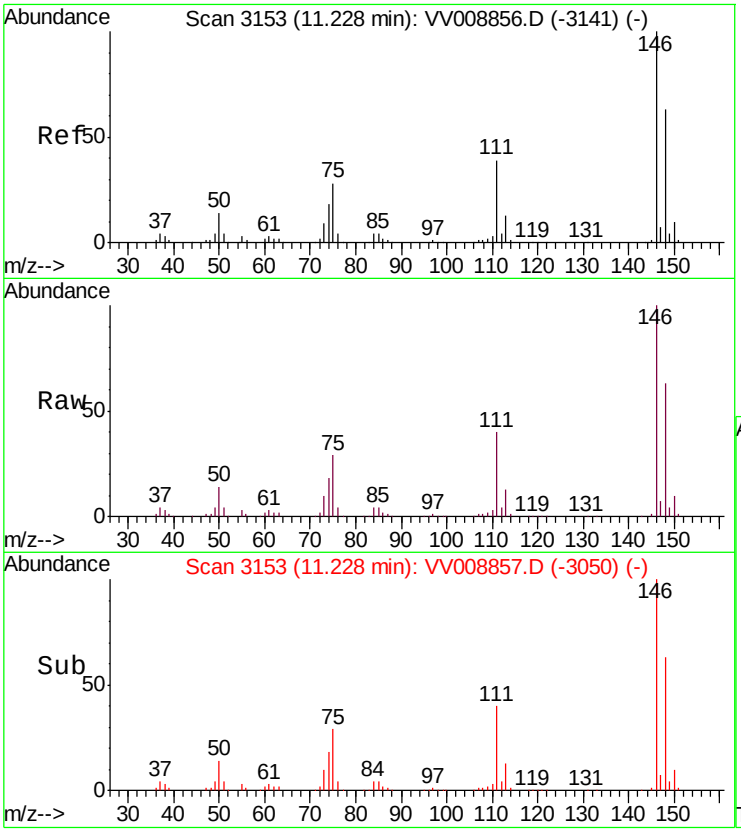




#62
Bromoform
Concen: 47.111 ug/L
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VV008857.D
Acq: 06 Dec 2018 13:28

Tgt Ion:173 Resp: 79265

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 49.8 | 37.7 | 56.5 |
| 254 | 8.8 | 7.1 | 10.7 |



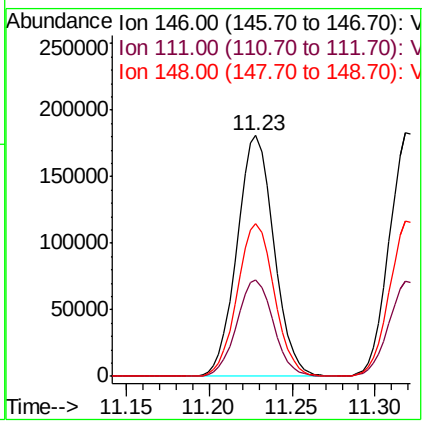


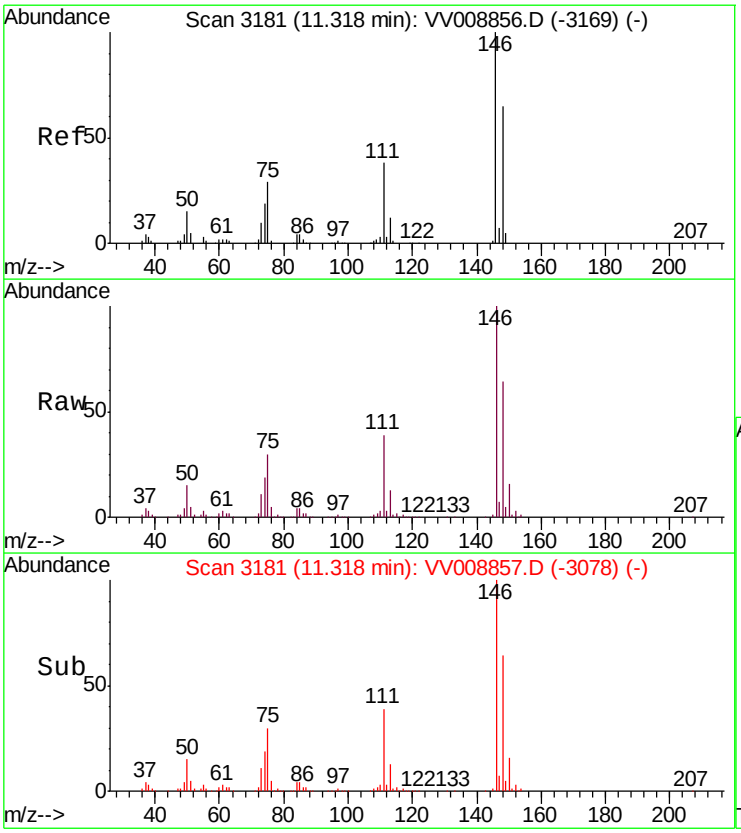

#63
1,3-Dichlorobenzene
Concen: 46.438 ug/L
RT: 11.23 min Scan# 3153
Delta R.T. -0.00 min
Lab File: VV008857.D
Acq: 06 Dec 2018 13:28

**Instrument :**
MSVOA_V
**ClientSampleId :**
VSTD05064

Tgt Ion:146 Resp: 280480

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.8 | 27.5 | 51.1 |
| 148 | 63.3 | 44.0 | 81.8 |

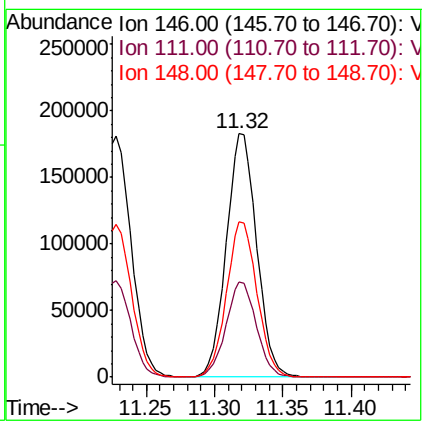


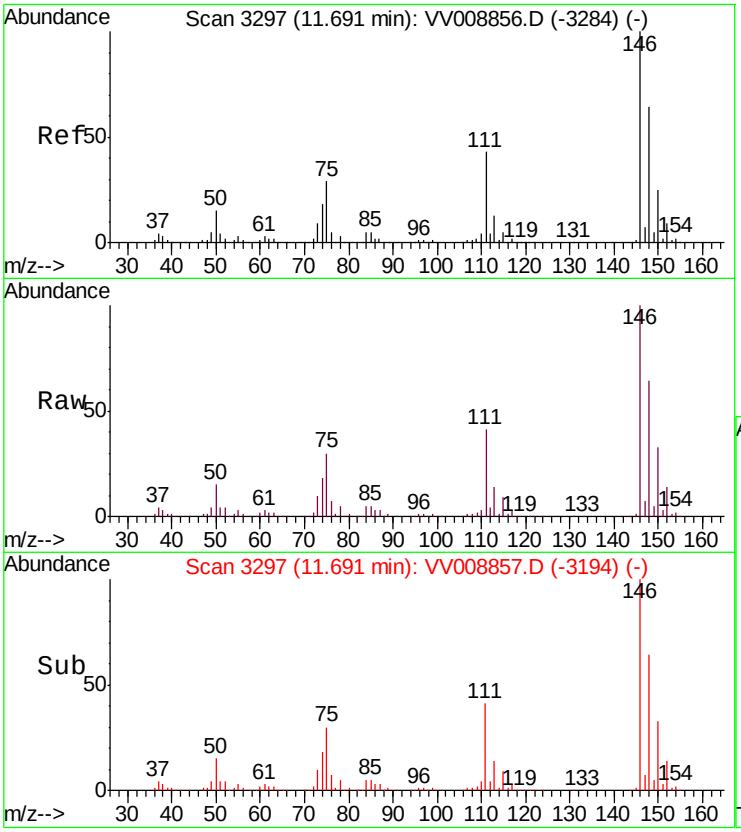




#64
1,4-Dichlorobenzene
Concen: 45.838 ug/L
RT: 11.32 min Scan# 3181
Delta R.T. -0.00 min
Lab File: VV008857.D
Acq: 06 Dec 2018 13:28

Tgt Ion:146 Resp: 281822

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.2 | 26.8 | 49.8 |
| 148 | 63.7 | 45.8 | 85.0 |



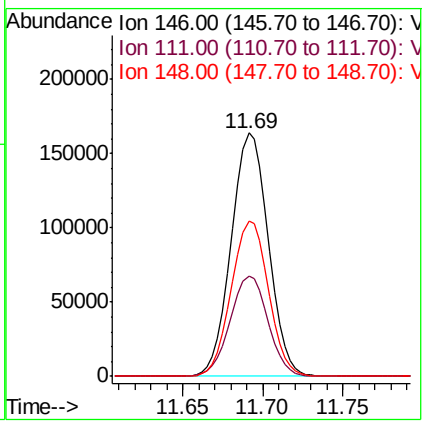


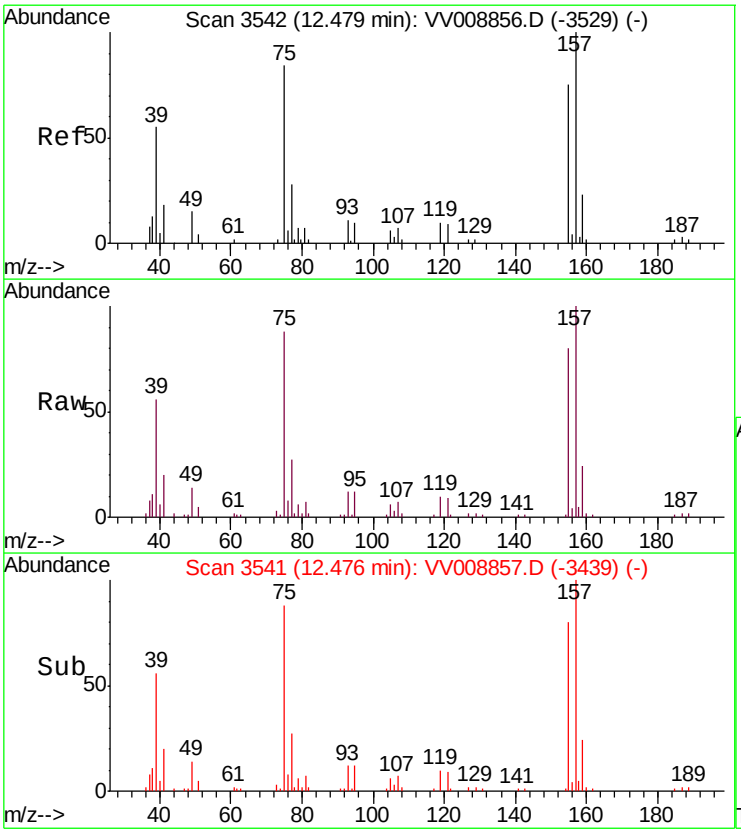

#65
1,2-Dichlorobenzene
Concen: 45.961 ug/L
RT: 11.69 min Scan# 3297
Delta R.T. -0.00 min
Lab File: VV008857.D
Acq: 06 Dec 2018 13:28

**Instrument :** MSVOA_V
**ClientSampleId :** VSTD05064

Tgt Ion:146 Resp: 258669

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.3 | 34.2 | 51.4 |
| 148 | 63.7 | 51.0 | 76.6 |




#66
1,2-Dibromo-3-chloropropane
Concen: 50.650 ug/L
RT: 12.48 min Scan# 3541
Delta R.T. -0.00 min
Lab File: VV008857.D
Acq: 06 Dec 2018 13:28

Tgt Ion: 75 Resp: 21989

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 157 | 113.8 | 95.8 | 143.6 |
| 155 | 91.6 | 71.4 | 107.2 |