Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120919\

Quantitation Report (Not Reviewed)

Data File : VU036039.D
Acq On : 09 Dec 2019 10:27
Operator : JC/MD
Sample : VSTD0.505
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** VSTD0.505

Quant Time: Dec 10 01:02:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 10 00:59:56 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 6.29 | 114 | 237800 | 5.00 | ug/L | | 0.00 |
| 28) Chlorobenzene-d5 | 9.45 | 117 | 288581 | 5.00 | ug/L | | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.84 | 152 | 99288 | 5.00 | ug/L | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 4) Vinyl Chloride-d3 | 1.61 | 65 | 12226 | 0.48 | ug/L | | 0.00 |
| 7) Chloroethane-d5 | 1.93 | 69 | 12859 | 0.60 | ug/L | | 0.00 |
| 11) 1,1-Dichloroethene-d2 | 2.59 | 63 | 19909 | 0.52 | ug/L | | 0.00 |
| 20) 2-Butanone-d5 | 4.70 | 46 | 18189 | 4.06 | ug/L | | 0.00 |
| 24) Chloroform-d | 5.11 | 84 | 17843 | 0.49 | ug/L | | 0.00 |
| 26) 1,2-Dichloroethane-d4 | 5.75 | 65 | 10704 | 0.56 | ug/L | | 0.00 |
| 32) Benzene-d6 | 5.77 | 84 | 33521 | 0.41 | ug/L | | 0.00 |
| 36) 1,2-Dichloropropane-d6 | 6.73 | 67 | 10179 | 0.39 | ug/L | | 0.00 |
| 41) Toluene-d8 | 7.93 | 98 | 27581 | 0.37 | ug/L | | 0.00 |
| 43) trans-1,3-Dichloropropene- | 8.21 | 79 | 4466 | 0.42 | ug/L | | 0.00 |
| 46) 2-Hexanone-d5 | 8.68 | 63 | 11623 | 2.82 | ug/L | | 0.00 |
| 57) 1,1,2,2-Tetrachloroethane- | 10.79 | 84 | 9370 | 0.43 | ug/L | | 0.00 |
| 64) 1,2-Dichlorobenzene-d4 | 12.22 | 152 | 10285 | 0.51 | ug/L | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.39 | 85 | 13086 | 0.547 | ug/L | | 93 |
| 3) Chloromethane | 1.53 | 50 | 13765 | 0.517 | ug/L | | 93 |
| 5) Vinyl chloride | 1.62 | 62 | 12397 | 0.460 | ug/L | # | 69 |
| 6) Bromomethane | 1.88 | 94 | 11051 | 0.668 | ug/L | | 91 |
| 8) Chloroethane | 1.95 | 64 | 10282 | 0.588 | ug/L | | 89 |
| 9) Trichlorofluoromethane | 2.16 | 101 | 22791 | 0.665 | ug/L | | 99 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.61 | 101 | 12668 | 0.680 | ug/L | | 93 |
| 12) 1,1-Dichloroethene | 2.61 | 96 | 10391 | 0.597 | ug/L | | 90 |
| 13) Acetone | 2.69 | 43 | 34270 | 8.092 | ug/L | | 96 |
| 14) Carbon disulfide | 2.82 | 76 | 30664 | 0.521 | ug/L | | 100 |
| 15) Methyl Acetate | 3.00 | 43 | 3593 | 0.491 | ug/L | # | 85 |
| 16) Methylene chloride | 3.08 | 84 | 16903 | 0.656 | ug/L | | 95 |
| 17) Methyl tert-butyl Ether | 3.42 | 73 | 18090 | 0.472 | ug/L | | 95 |
| 18) trans-1,2-Dichloroethene | 3.39 | 96 | 9931 | 0.566 | ug/L | | 92 |
| 19) 1,1-Dichloroethane | 3.92 | 63 | 17672 | 0.519 | ug/L | | 96 |
| 21) 2-Butanone | 4.79 | 43 | 27611 | 5.275 | ug/L | | 93 |
| 22) cis-1,2-Dichloroethene | 4.72 | 96 | 9190 | 0.491 | ug/L | | 95 |
| 23) Bromochloromethane | 5.02 | 128 | 5312 | 0.611 | ug/L | | 91 |
| 25) Chloroform | 5.14 | 83 | 19410 | 0.556 | ug/L | | 100 |
| 27) 1,2-Dichloroethane | 5.84 | 62 | 11572 | 0.527 | ug/L | | 97 |
| 29) 1,1,1-Trichloroethane | 5.36 | 97 | 16351 | 0.489 | ug/L | | 98 |
| 30) Cyclohexane | 5.43 | 56 | 10839 | 0.339 | ug/L | | 98 |
| 31) Carbon tetrachloride | 5.56 | 117 | 14322 | 0.480 | ug/L | | 96 |
| 33) Benzene | 5.82 | 78 | 36326 | 0.423 | ug/L | | 100 |
| 34) Trichloroethene | 6.58 | 95 | 10638 | 0.484 | ug/L | | 92 |
| 35) Methylcyclohexane | 6.80 | 83 | 10349 | 0.320 | ug/L | | 91 |
| 37) 1,2-Dichloropropane | 6.83 | 63 | 9639 | 0.416 | ug/L | | 98 |
| 38) Bromodichloromethane | 7.14 | 83 | 13068 | 0.467 | ug/L | | 97 |
| 39) cis-1,3-Dichloropropene | 7.64 | 75 | 11148 | 0.364 | ug/L | # | 79 |
| 40) 4-Methyl-2-pentanone | 7.84 | 43 | 45949 | 3.467 | ug/L | | 98 |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120919\

Quantitation Report (Not Reviewed)

Data File : VU036039.D
Acq On : 09 Dec 2019 10:27
Operator : JC/MD
Sample : VSTD0.505
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** VSTD0.505

Quant Time: Dec 10 01:02:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 10 00:59:56 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) Toluene | 8.00 | 91 | 34354 | 0.380 | ug/L | | 96 |
| 44) trans-1,3-Dichloropropene | 8.25 | 75 | 10095 | 0.384 | ug/L | | 100 |
| 45) 1,1,2-Trichloroethane | 8.44 | 97 | 7568 | 0.475 | ug/L | | 91 |
| 47) Tetrachloroethene | 8.58 | 164 | 9861 | 0.539 | ug/L | | 87 |
| 48) 2-Hexanone | 8.73 | 43 | 26959 | 2.708 | ug/L | | 98 |
| 49) Dibromochloromethane | 8.84 | 129 | 9814 | 0.483 | ug/L | | 98 |
| 50) 1,2-Dibromoethane | 8.96 | 107 | 7053 | 0.447 | ug/L | | 91 |
| 51) Chlorobenzene | 9.48 | 112 | 30271 | 0.520 | ug/L | | 97 |
| 52) Ethylbenzene | 9.60 | 91 | 39217 | 0.419 | ug/L | | 98 |
| 53) m,p-Xylene | 9.72 | 106 | 15536 | 0.441 | ug/L | | 91 |
| 54) o-Xylene | 10.13 | 106 | 14116 | 0.434 | ug/L | | 99 |
| 55) Styrene | 10.14 | 104 | 23183 | 0.424 | ug/L | | 98 |
| 56) Isopropylbenzene | 10.51 | 105 | 31860 | 0.374 | ug/L | | 99 |
| 58) 1,1,2,2-Tetrachloroethane | 10.81 | 83 | 9705 | 0.459 | ug/L | | 92 |
| 59) 1,2,3-Trichloropropane | 10.85 | 75 | 6470 | 0.428 | ug/L | | 94 |
| 61) Bromoform | 10.32 | 173 | 7066 | 0.785 | ug/L | # | 97 |
| 62) 1,3-Dichlorobenzene | 11.77 | 146 | 16817 | 0.521 | ug/L | | 94 |
| 63) 1,4-Dichlorobenzene | 11.86 | 146 | 17312 | 0.539 | ug/L | | 98 |
| 65) 1,2-Dichlorobenzene | 12.24 | 146 | 18052 | 0.586 | ug/L | | 96 |
| 66) 1,2-Dibromo-3-chloropropan | 13.02 | 75 | 1175 | 0.498 | ug/L | | 91 |
| 67) 1,3,5-Trichlorobenzene | 13.24 | 180 | 10982 | 0.487 | ug/L | | 94 |
| 68) 1,2,4-trichlorobenzene | 13.86 | 180 | 4383 | 0.365 | ug/L | | 92 |
| 69) Naphthalene | 14.10 | 128 | 4234 | 0.320 | ug/L | # | 94 |
| 70) 1,2,3-Trichlorobenzene | 14.35 | 180 | 4985 | 0.428 | ug/L | | 96 |

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

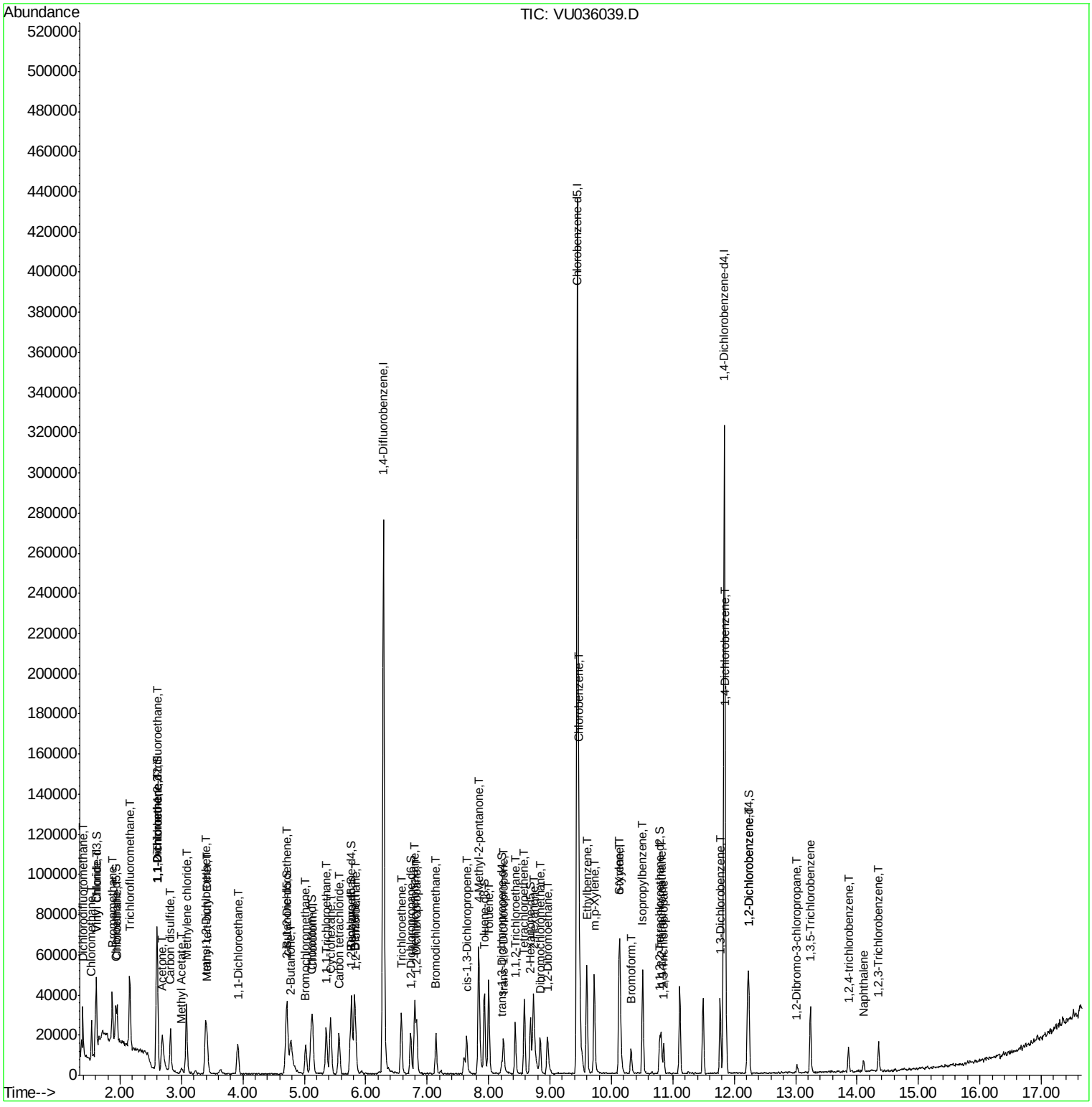
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120919\

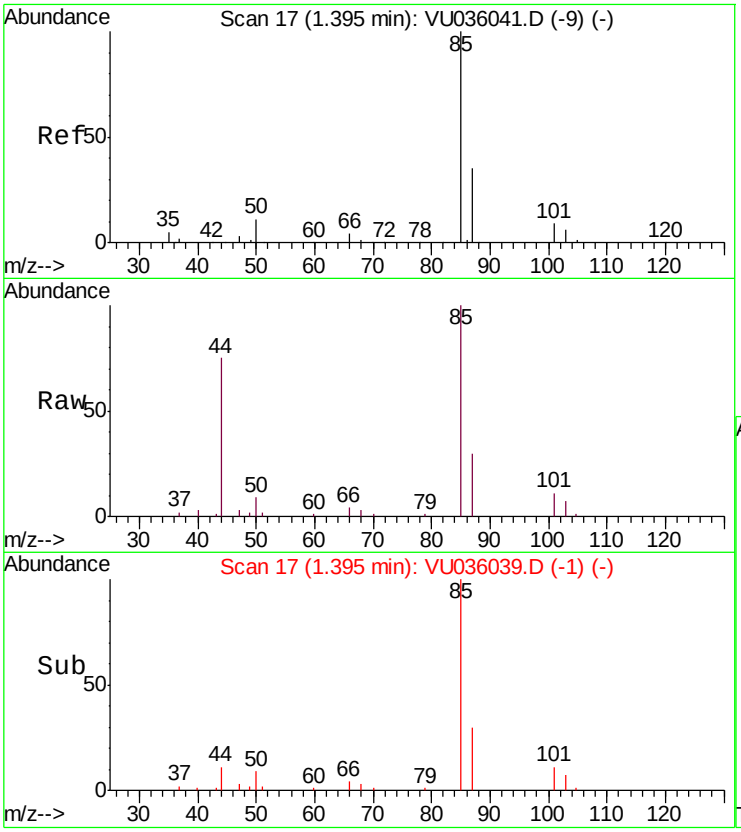
Quantitation Report (Not Reviewed)

Data File : VU036039.D
Acq On : 09 Dec 2019 10:27
Operator : JC/MD
Sample : VSTD0.505
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** VSTD0.505

Quant Time: Dec 10 01:02:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 10 00:59:56 2019
Response via : Initial Calibration



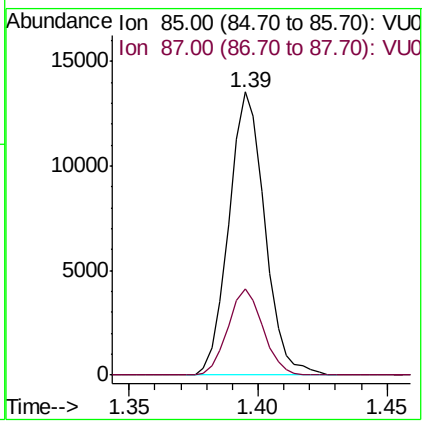


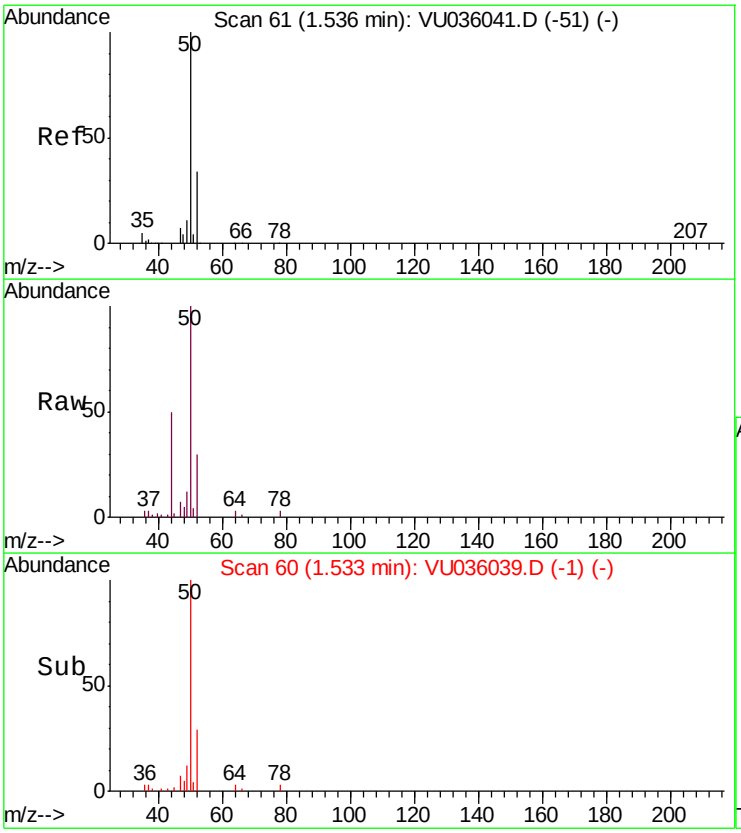

#2
Dichlorodifluoromethane
Concen: 0.547 ug/L
RT: 1.39 min Scan# 17
Delta R.T. 0.00 min
Lab File: VU036039.D
Acq: 09 Dec 2019 10:27

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD0.505

Tgt Ion: 85 Resp: 13086

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 29.7 | 27.0 | 40.4 |

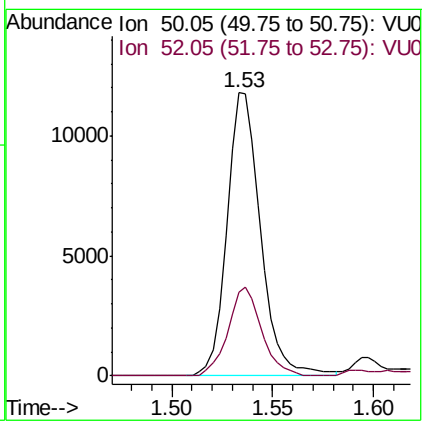


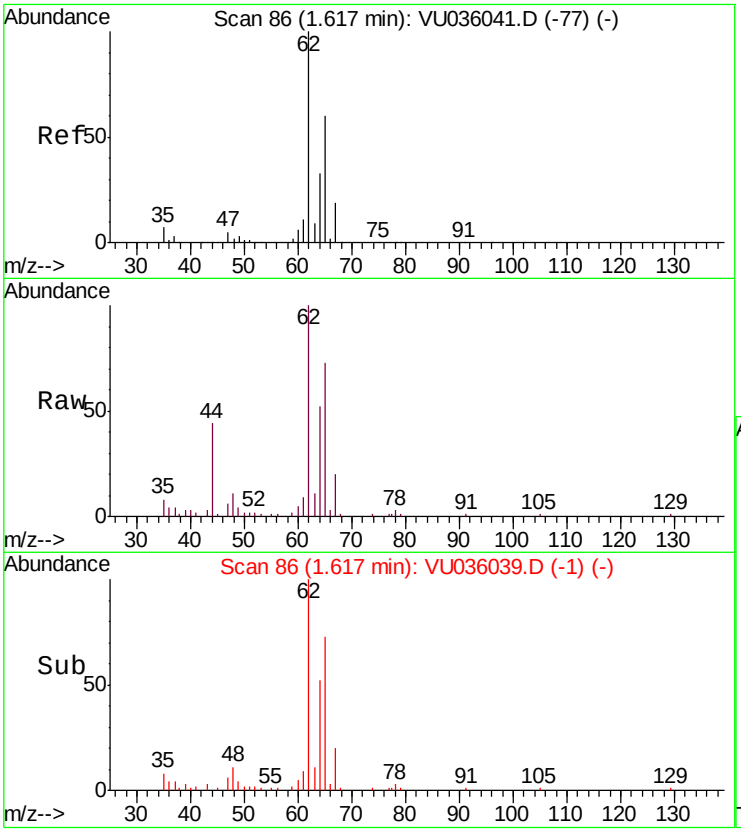




#3
Chloromethane
Concen: 0.517 ug/L
RT: 1.53 min Scan# 60
Delta R.T. -0.00 min
Lab File: VU036039.D
Acq: 09 Dec 2019 10:27

Tgt Ion: 50 Resp: 13765

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 29.5 | 23.6 | 43.8 |



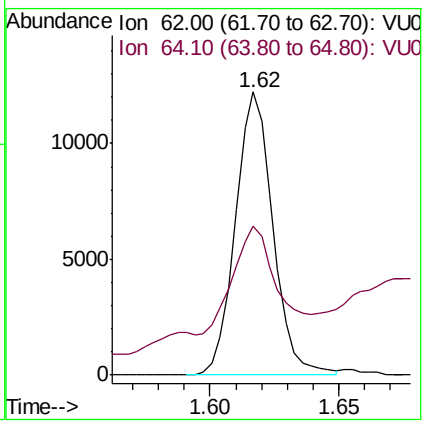


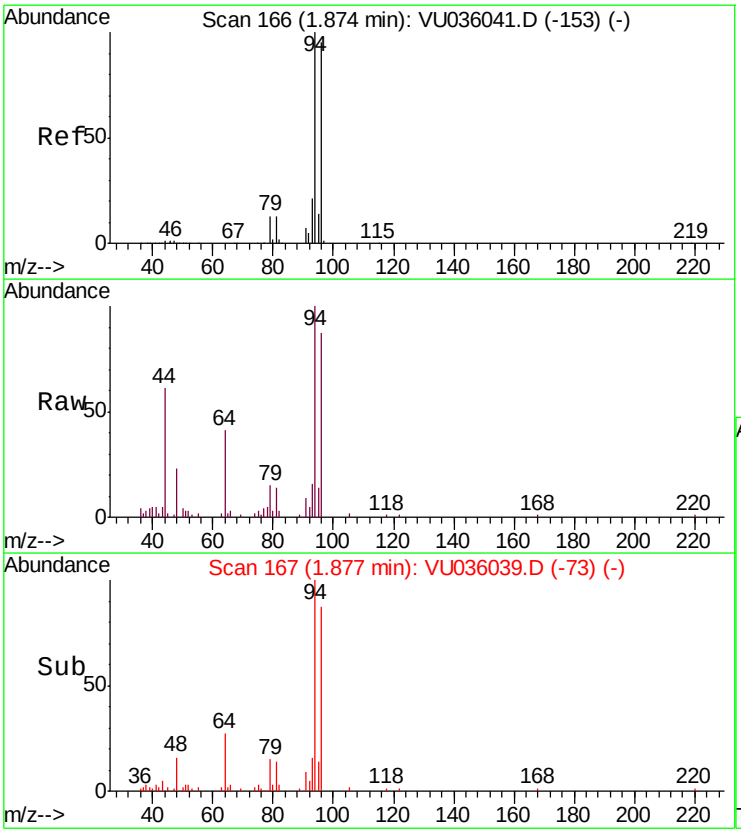

#5
Vinyl chloride
Concen: 0.460 ug/L
RT: 1.62 min Scan# 86
Delta R.T. 0.00 min
Lab File: VU036039.D
Acq: 09 Dec 2019 10:27

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD0.505

Tgt Ion: 62 Resp: 12397

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 52.5 | 24.3 | 45.1# |

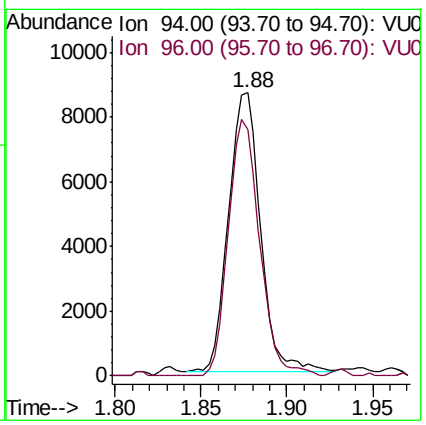


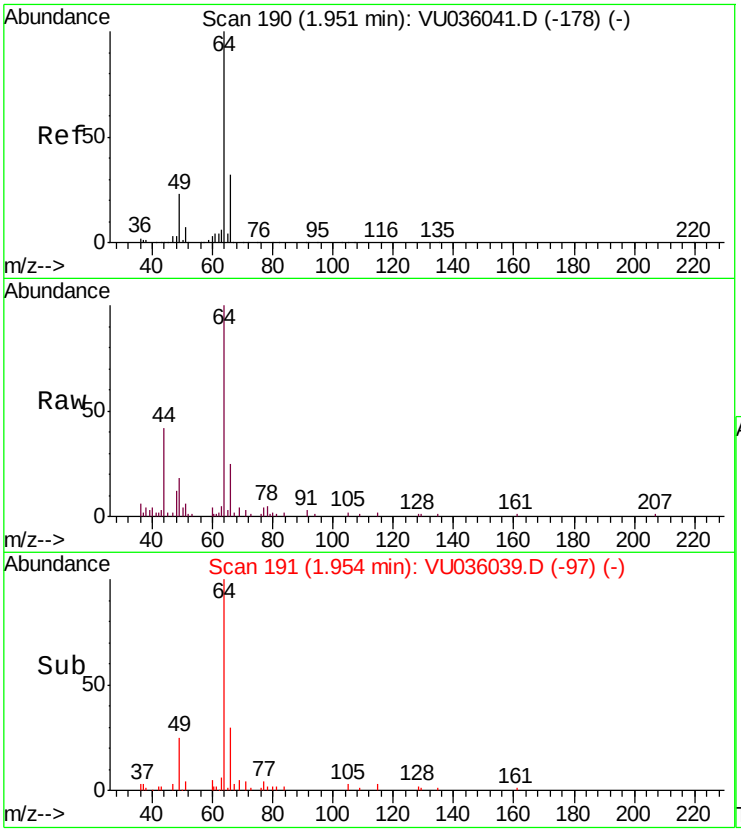




#6
Bromomethane
Concen: 0.668 ug/L
RT: 1.88 min Scan# 167
Delta R.T. 0.00 min
Lab File: VU036039.D
Acq: 09 Dec 2019 10:27

Tgt Ion: 94 Resp: 11051

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 87.1 | 66.8 | 124.2 |



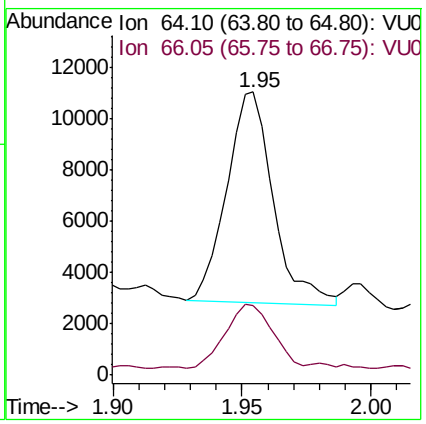


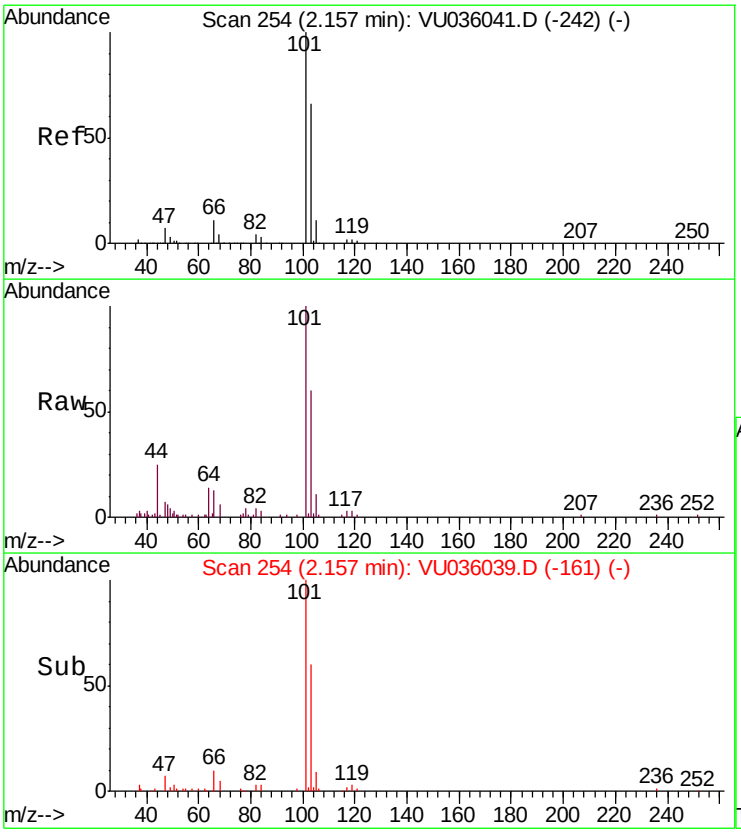

#8
Chloroethane
Concen: 0.588 ug/L
RT: 1.95 min Scan# 191
Delta R.T. 0.00 min
Lab File: VU036039.D
Acq: 09 Dec 2019 10:27

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD0.505

Tgt Ion: 64 Resp: 10282

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 24.6 | 21.5 | 39.9 |

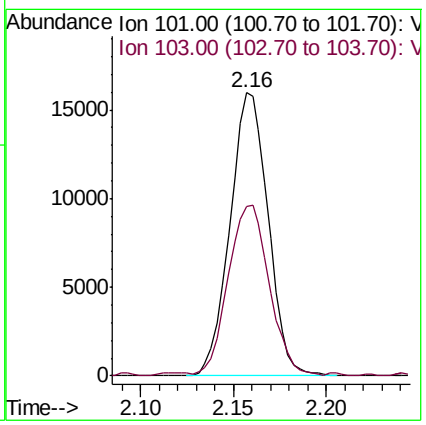


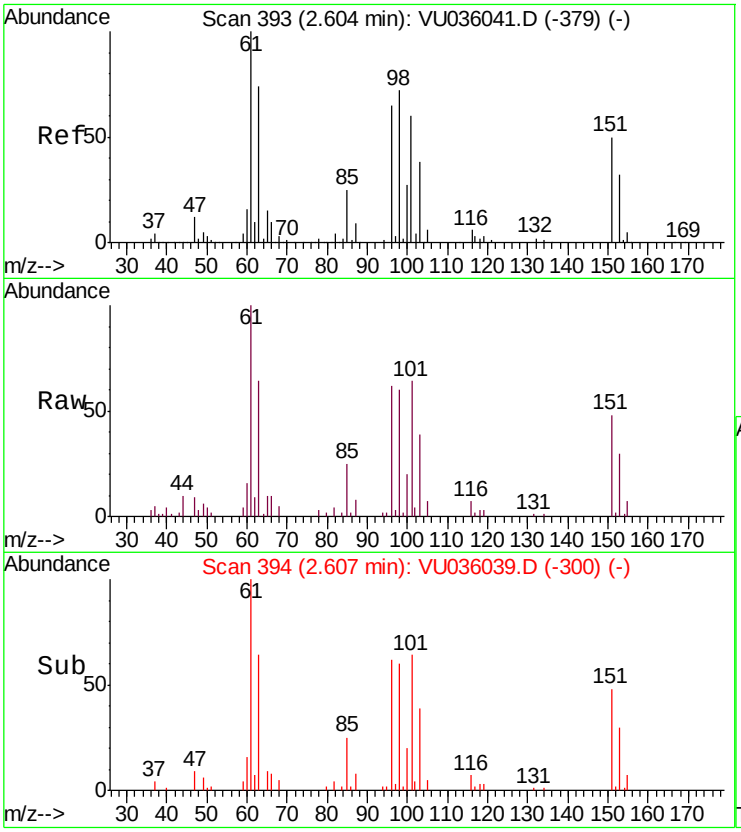




#9
Trichlorofluoromethane
Concen: 0.665 ug/L
RT: 2.16 min Scan# 254
Delta R.T. 0.00 min
Lab File: VU036039.D
Acq: 09 Dec 2019 10:27

Tgt Ion:101 Resp: 22791

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.2 | 52.6 | 78.8 |



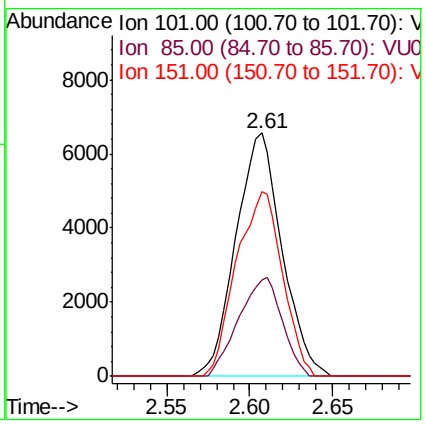


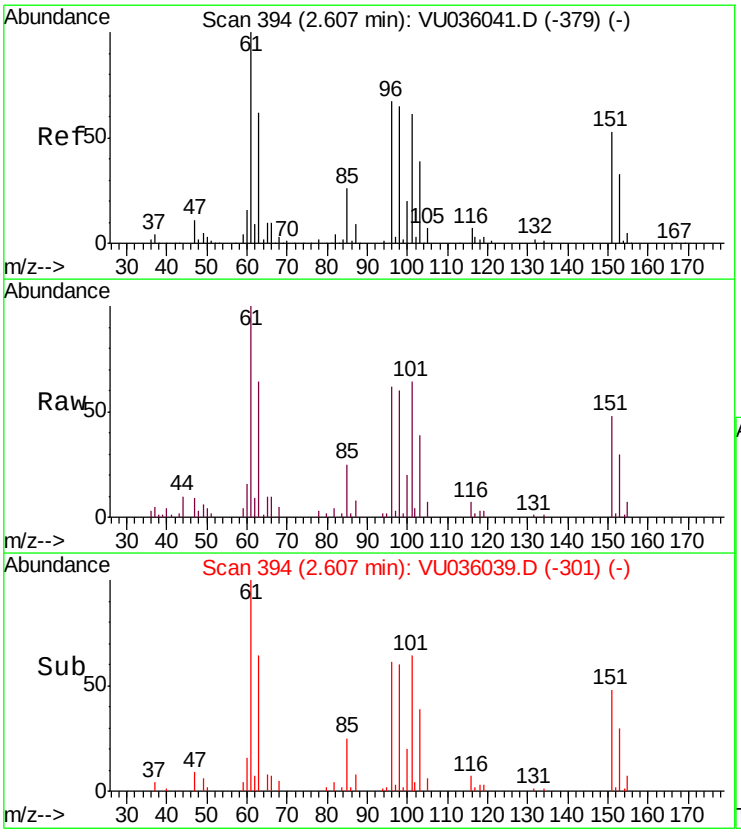

#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.680 ug/L
RT: 2.61 min Scan# 394
Delta R.T. 0.00 min
Lab File: VU036039.D
Acq: 09 Dec 2019 10:27

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD0.505

Tgt Ion:101 Resp: 12668

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 38.3 | 33.1 | 49.7 |
| 151 | 75.4 | 66.5 | 99.7 |

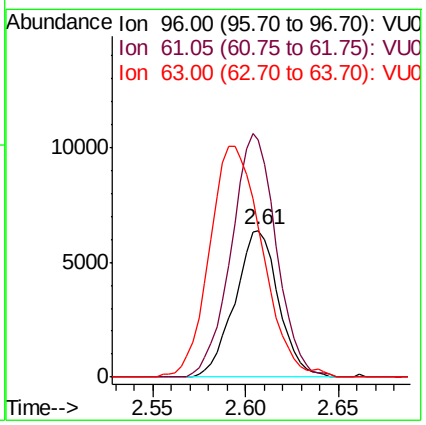


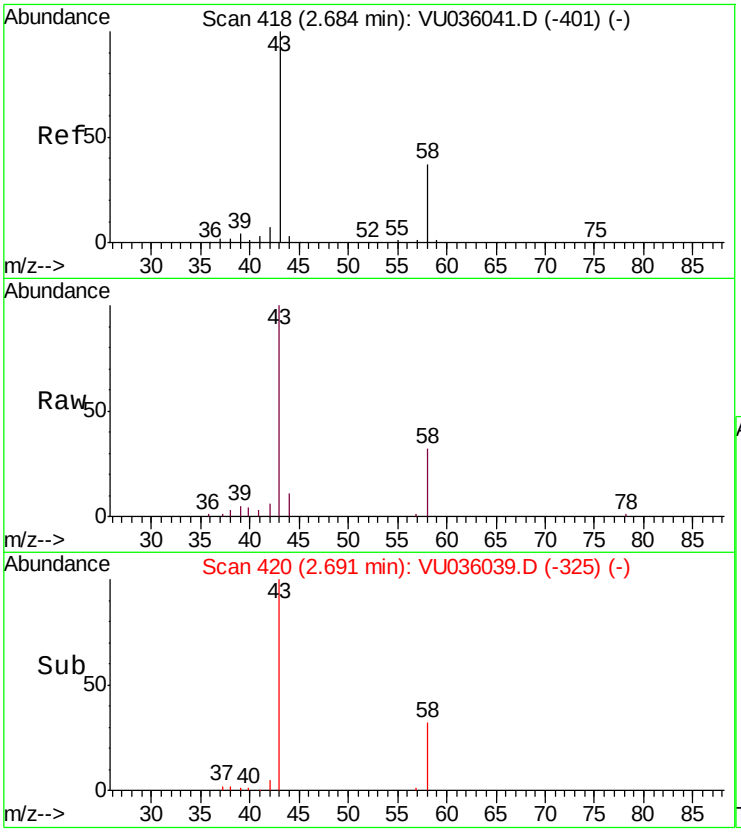




#12
1,1-Dichloroethene
Concen: 0.597 ug/L
RT: 2.61 min Scan# 394
Delta R.T. 0.00 min
Lab File: VU036039.D
Acq: 09 Dec 2019 10:27

Tgt Ion: 96 Resp: 10391

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 161.7 | 104.3 | 193.7 |
| 63 | 102.8 | 65.6 | 121.8 |



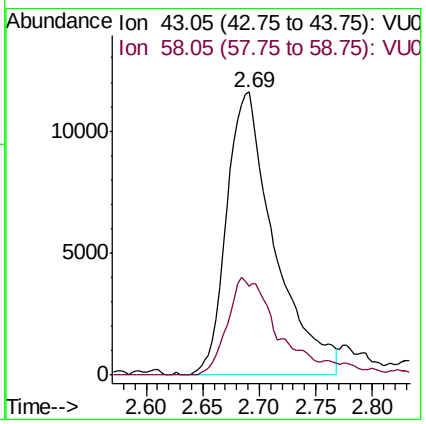


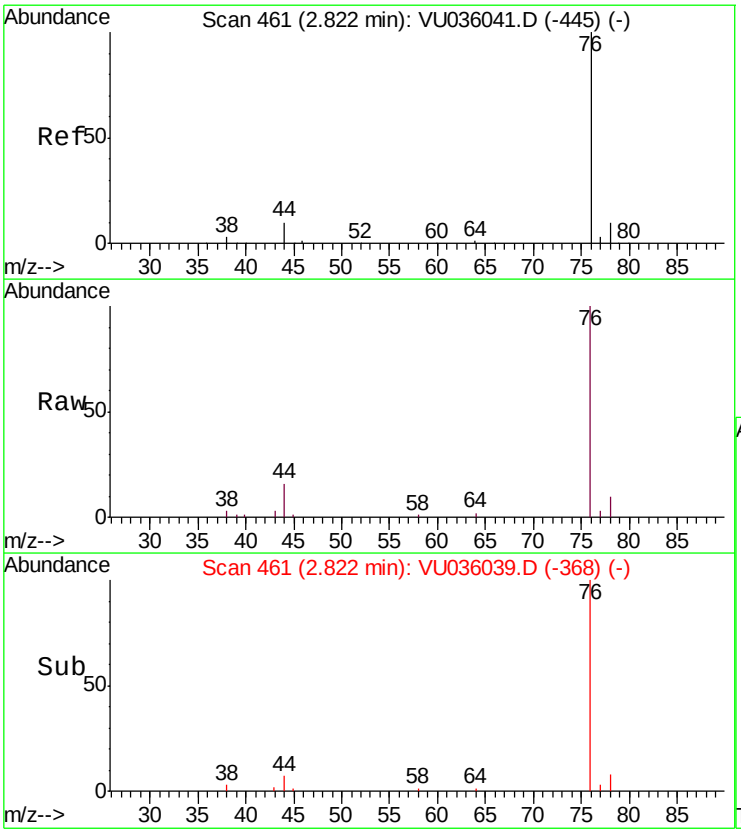

#13
Acetone
Concen: 8.092 ug/L
RT: 2.69 min Scan# 420
Delta R.T. 0.01 min
Lab File: VU036039.D
Acq: 09 Dec 2019 10:27

**Instrument :** MSVOA_U
**ClientSampleId :** VSTD0.505

Tgt Ion: 43 Resp: 34270

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 35.0 | 0.0 | 74.2 |

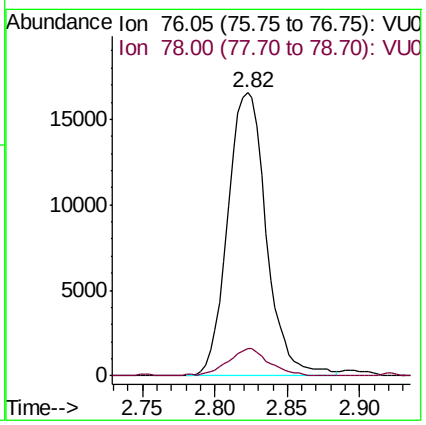


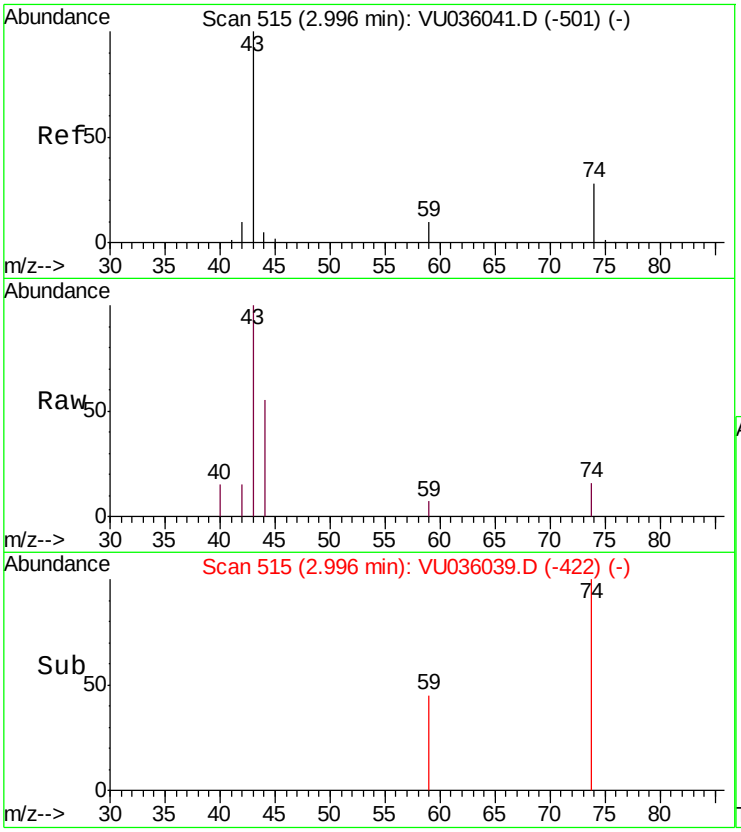




#14
Carbon disulfide
Concen: 0.521 ug/L
RT: 2.82 min Scan# 461
Delta R.T. 0.00 min
Lab File: VU036039.D
Acq: 09 Dec 2019 10:27

Tgt Ion: 76 Resp: 30664

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.7 | 7.7 | 11.5 |



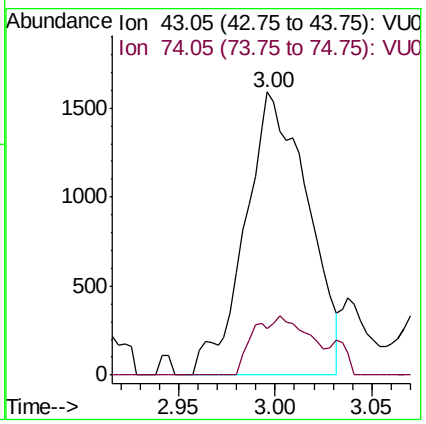


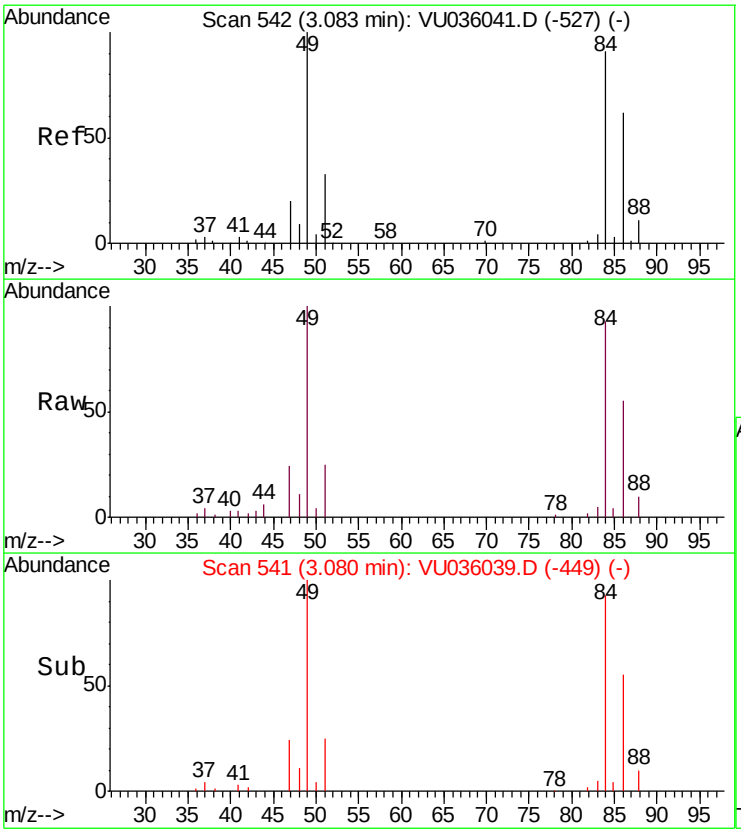

#15
Methyl Acetate
Concen: 0.491 ug/L
RT: 3.00 min Scan# 515
Delta R.T. 0.00 min
Lab File: VU036039.D
Acq: 09 Dec 2019 10:27

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD0.505

Tgt Ion: 43 Resp: 3593

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 18.3 | 21.0 | 31.4# |

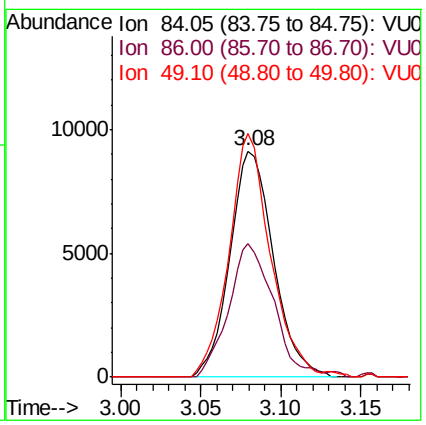


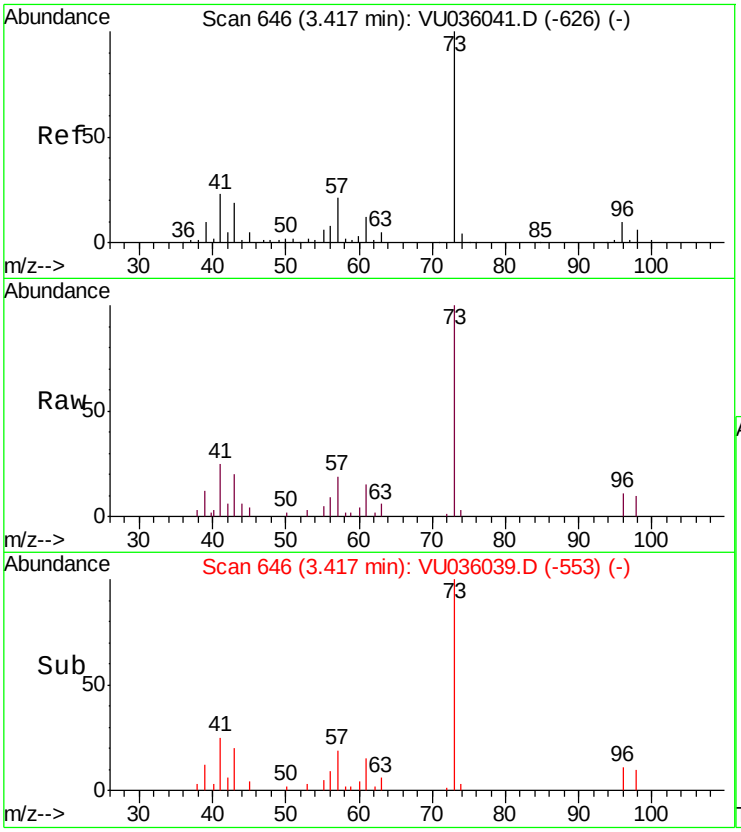




#16
Methylene chloride
Concen: 0.656 ug/L
RT: 3.08 min Scan# 541
Delta R.T. -0.00 min
Lab File: VU036039.D
Acq: 09 Dec 2019 10:27

Tgt Ion: 84 Resp: 16903

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 58.9 | 47.5 | 88.3 |
| 49 | 107.8 | 76.9 | 142.9 |



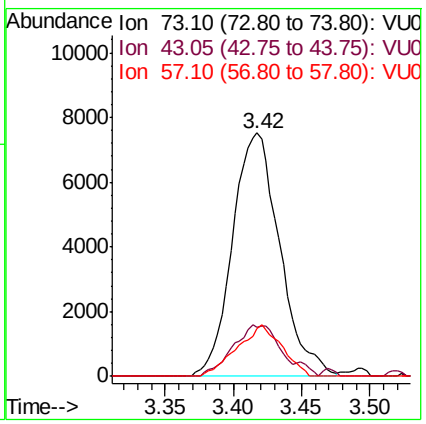


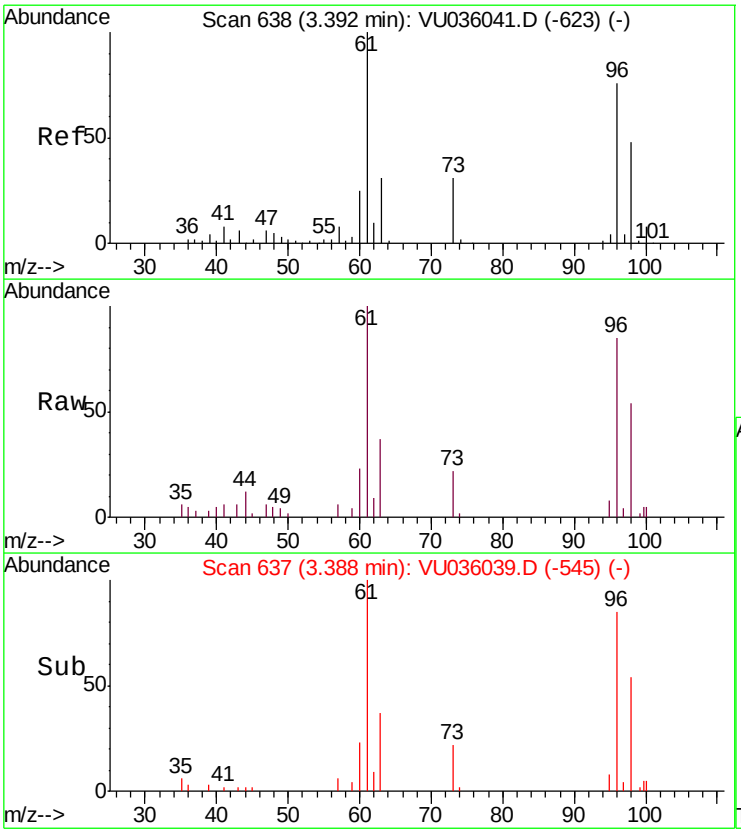

#17
Methyl tert-butyl Ether
Concen: 0.472 ug/L
RT: 3.42 min Scan# 646
Delta R.T. 0.00 min
Lab File: VU036039.D
Acq: 09 Dec 2019 10:27

**Instrument :** MSVOA_U
**ClientSampleId :** VSTD0.505

Tgt Ion: 73 Resp: 18090

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 43 | 21.9 | 15.6 | 23.4 |
| 57 | 20.0 | 17.4 | 26.2 |

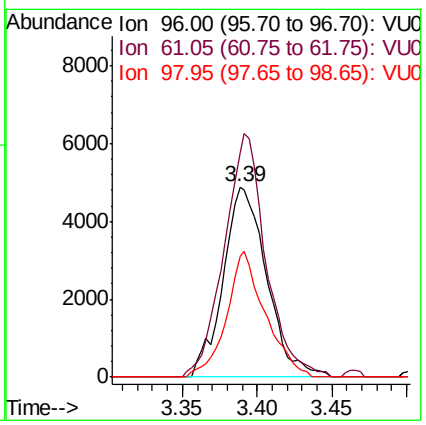


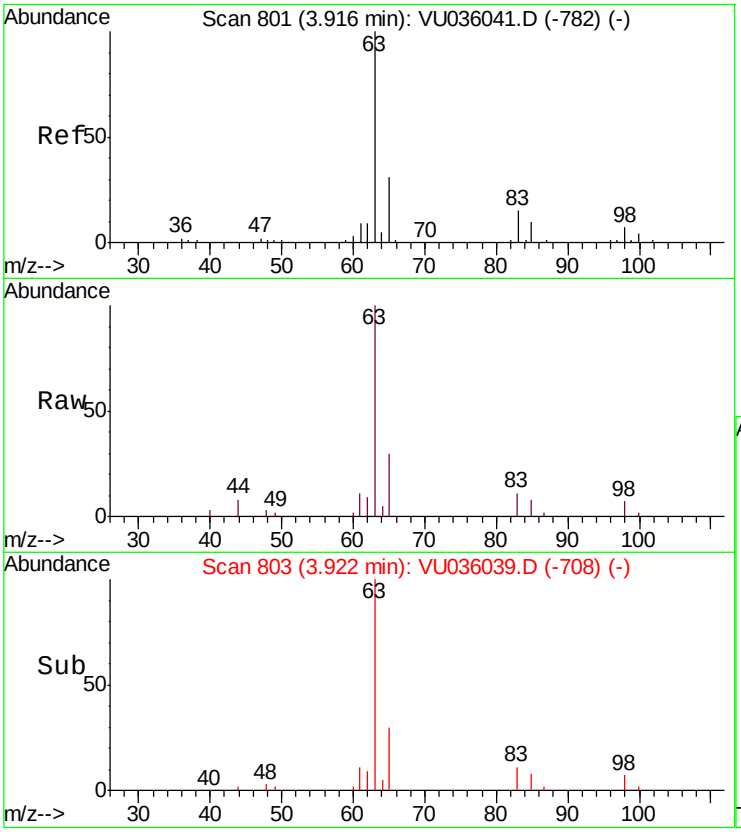




#18
trans-1,2-Dichloroethene
Concen: 0.566 ug/L
RT: 3.39 min Scan# 637
Delta R.T. -0.00 min
Lab File: VU036039.D
Acq: 09 Dec 2019 10:27

Tgt Ion: 96 Resp: 9931

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 118.2 | 92.0 | 170.8 |
| 98 | 63.6 | 44.6 | 82.8 |



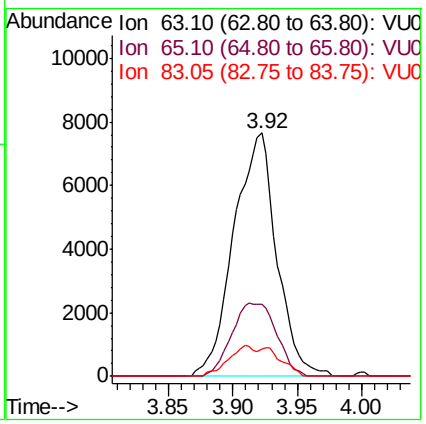


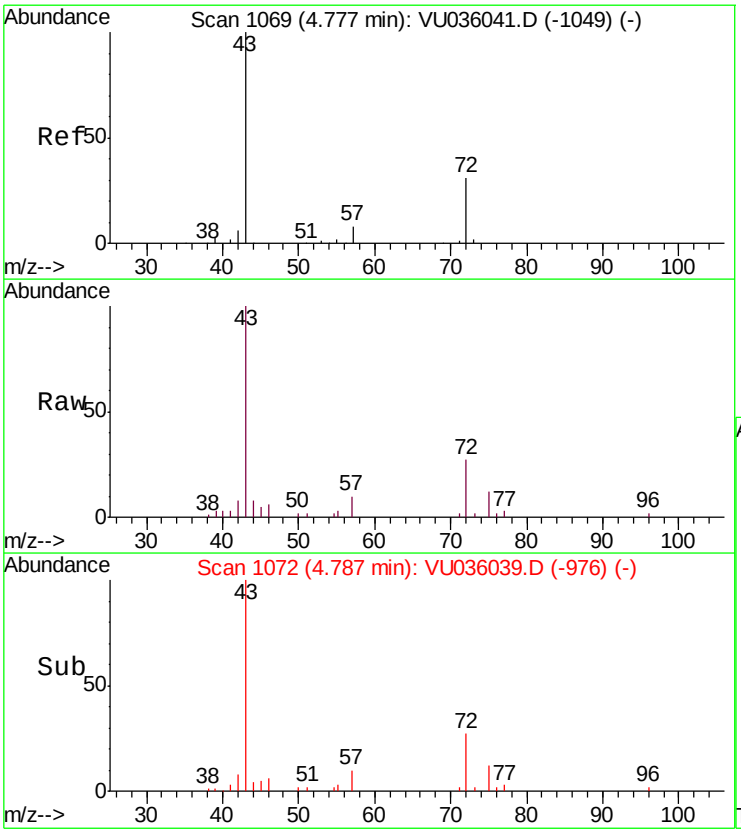

#19
1,1-Dichloroethane
Concen: 0.519 ug/L
RT: 3.92 min Scan# 803
Delta R.T. 0.01 min
Lab File: VU036039.D
Acq: 09 Dec 2019 10:27

**Instrument :** MSVOA_U
**ClientSampleId :** VSTD0.505

Tgt Ion: 63 Resp: 17672

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 29.5 | 21.8 | 40.4 |
| 83 | 11.2 | 10.1 | 18.9 |

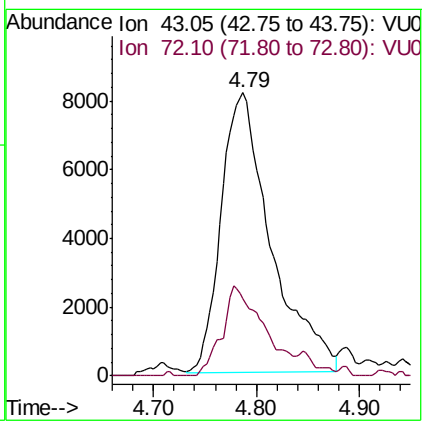


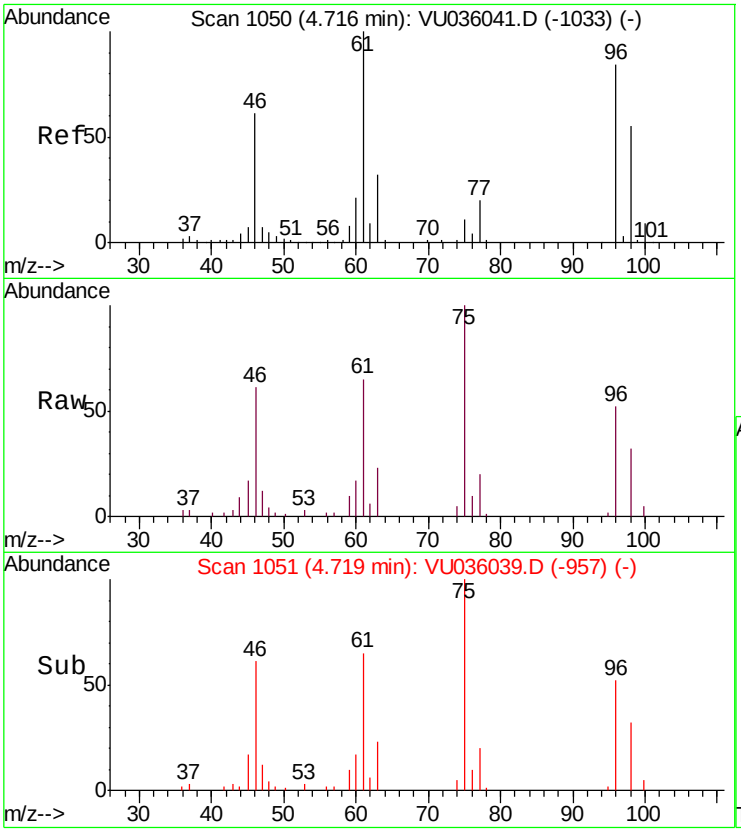




#21
2-Butanone
Concen: 5.275 ug/L
RT: 4.79 min Scan# 1072
Delta R.T. 0.01 min
Lab File: VU036039.D
Acq: 09 Dec 2019 10:27

Tgt Ion: 43 Resp: 27611

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 26.3 | 15.0 | 45.0 |



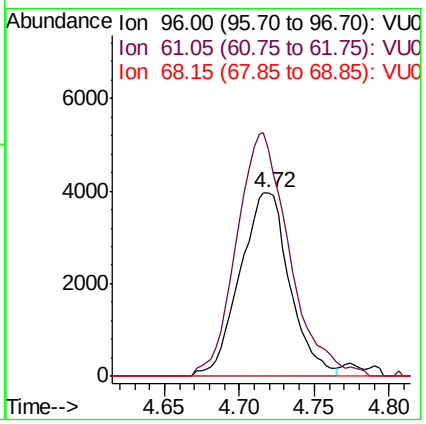


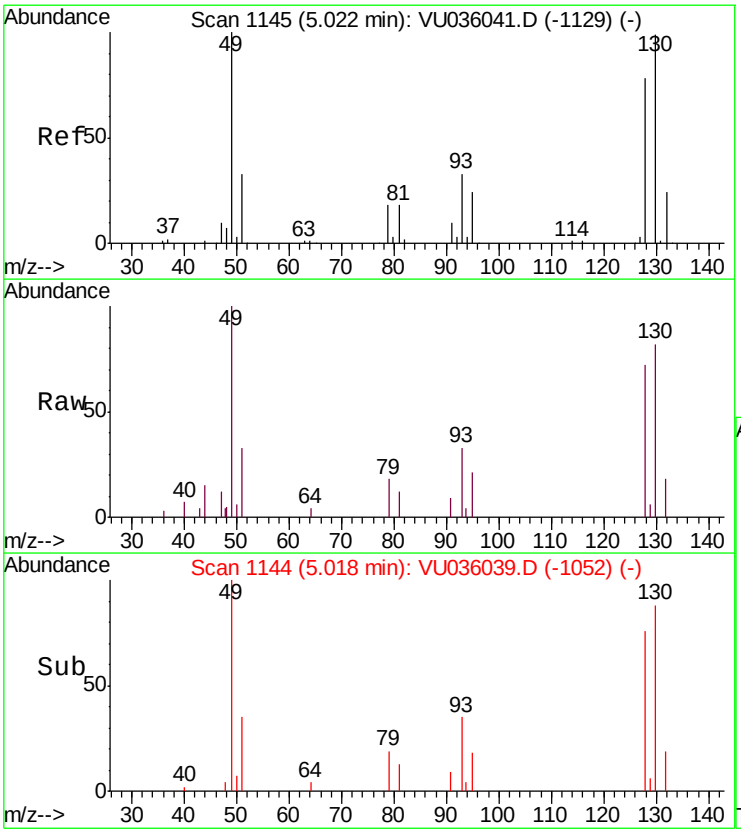

#22
cis-1,2-Dichloroethene
Concen: 0.491 ug/L
RT: 4.72 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VU036039.D
Acq: 09 Dec 2019 10:27

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD0.505

Tgt Ion: 96 Resp: 9190

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 123.8 | 83.0 | 154.2 |
| 68 | 0.0 | 0.0 | 0.0 |

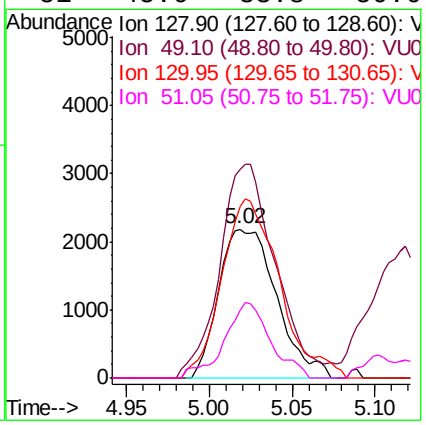


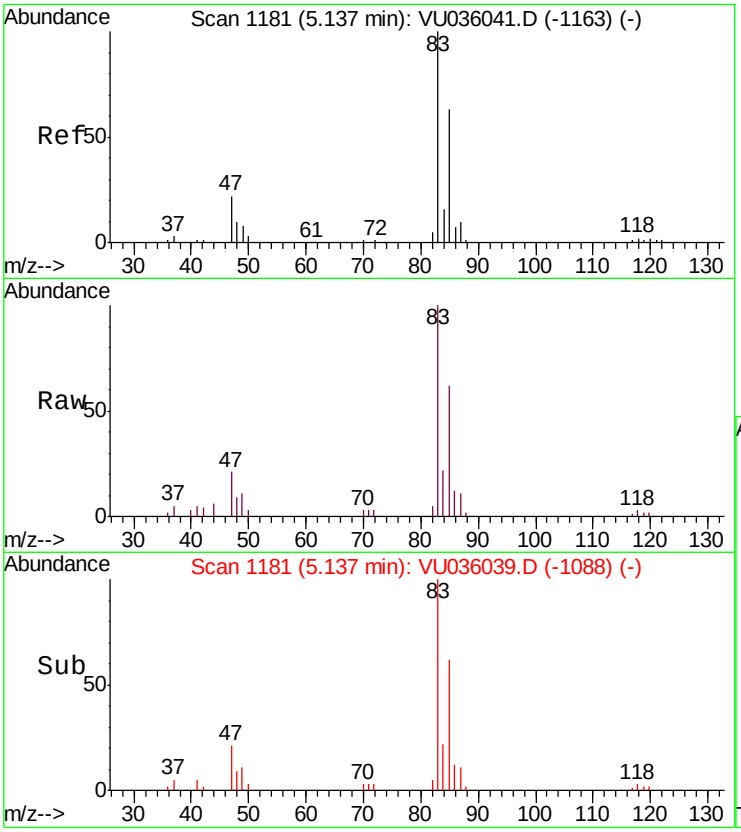




#23
Bromochloromethane
Concen: 0.611 ug/L
RT: 5.02 min Scan# 1144
Delta R.T. -0.00 min
Lab File: VU036039.D
Acq: 09 Dec 2019 10:27

Tgt Ion:128 Resp: 5312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 49 | 139.8 | 90.2 | 167.6 |
| 130 | 115.3 | 89.0 | 165.4 |
| 51 | 45.6 | 33.8 | 50.6 |



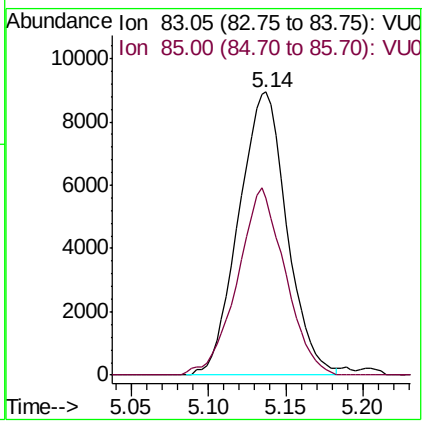


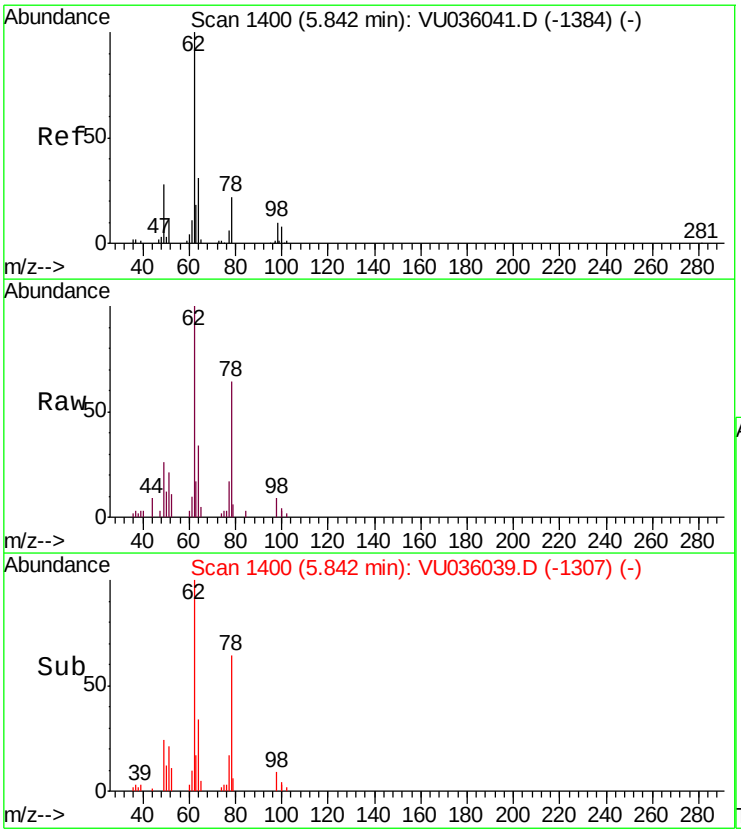

#25
Chloroform
Concen: 0.556 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU036039.D
Acq: 09 Dec 2019 10:27

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD0.505

Tgt Ion: 83 Resp: 19410

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.4 | 43.9 | 81.5 |

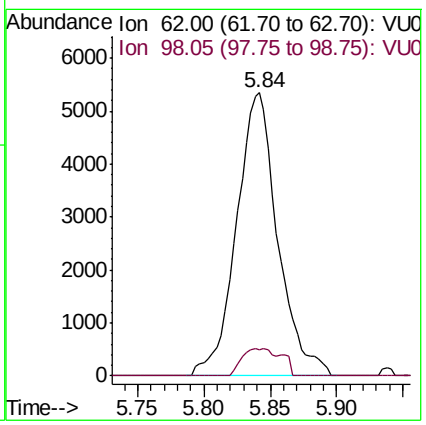


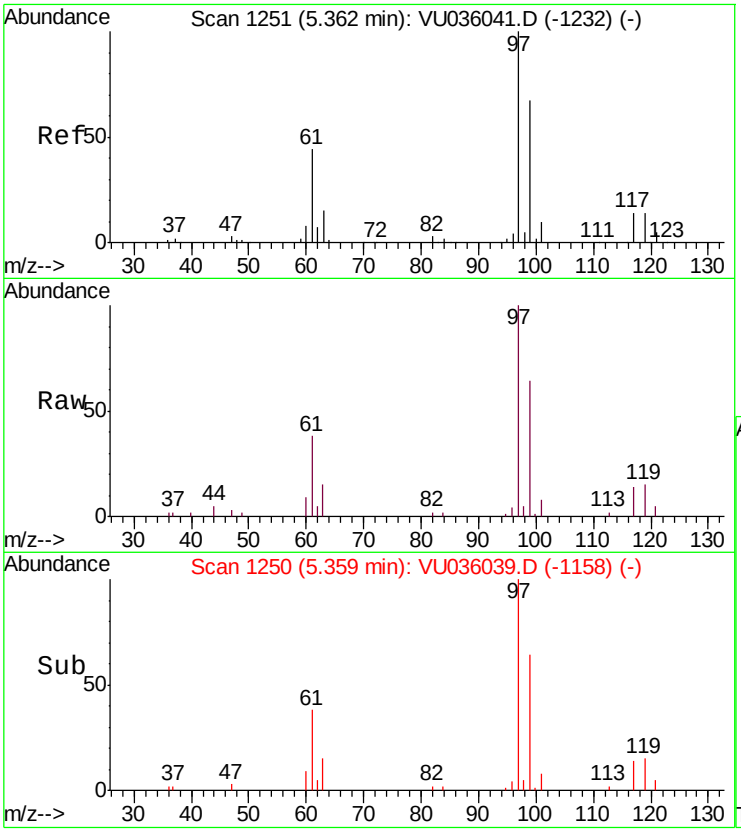




#27
1,2-Dichloroethane
Concen: 0.527 ug/L
RT: 5.84 min Scan# 1400
Delta R.T. 0.00 min
Lab File: VU036039.D
Acq: 09 Dec 2019 10:27

Tgt Ion: 62 Resp: 11572

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.2 | 8.2 | 12.2 |



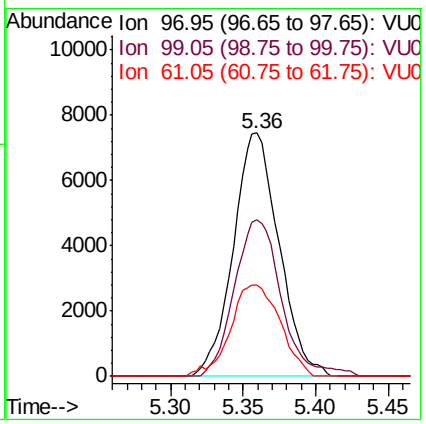


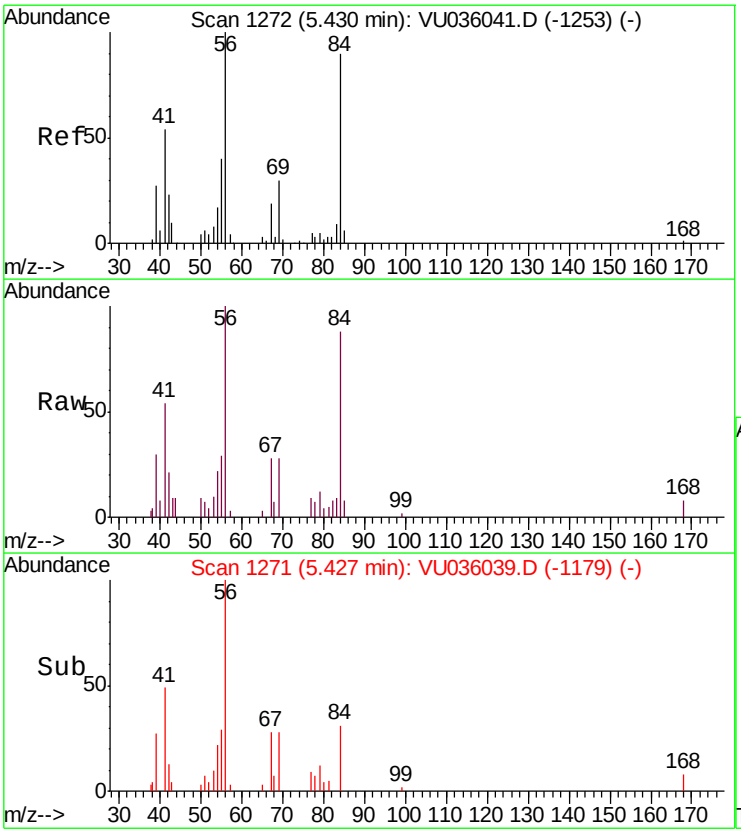

#29
1,1,1-Trichloroethane
Concen: 0.489 ug/L
RT: 5.36 min Scan# 1250
Delta R.T. -0.00 min
Lab File: VU036039.D
Acq: 09 Dec 2019 10:27

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD0.505

Tgt Ion: 97 Resp: 16351

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 66.3 | 52.2 | 78.2 |
| 61 | 40.8 | 34.7 | 52.1 |

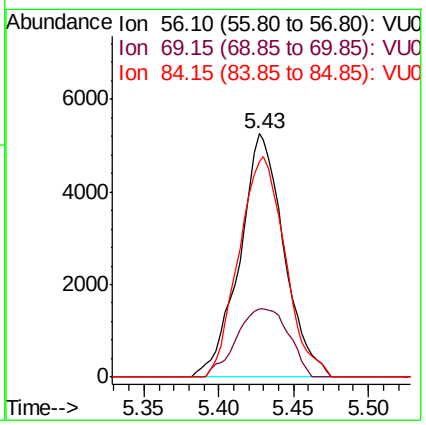


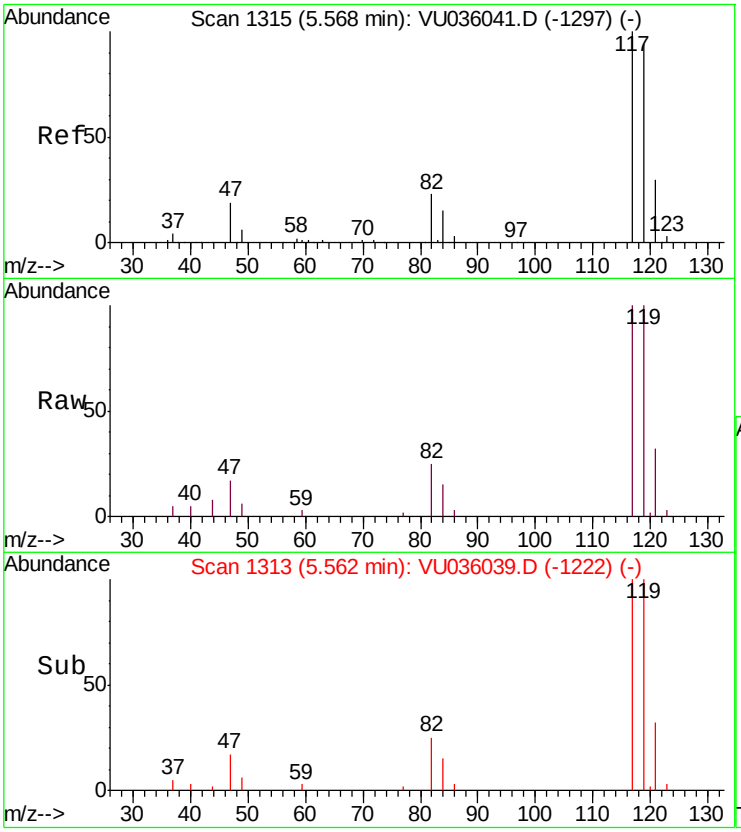




#30
Cyclohexane
Concen: 0.339 ug/L
RT: 5.43 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU036039.D
Acq: 09 Dec 2019 10:27

Tgt Ion: 56 Resp: 10839

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 33.1 | 25.4 | 38.0 |
| 84 | 94.3 | 74.5 | 111.7 |



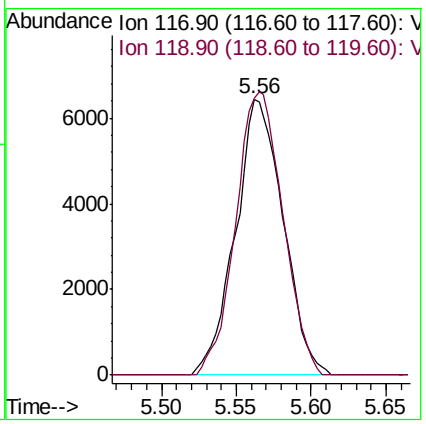


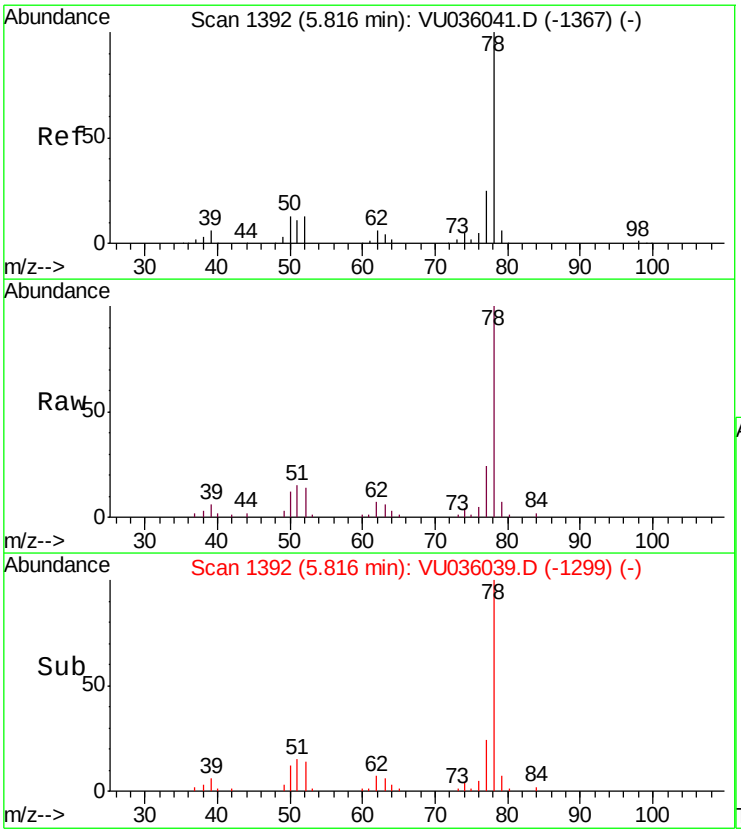

#31
Carbon tetrachloride
Concen: 0.480 ug/L
RT: 5.56 min Scan# 1313
Delta R.T. -0.01 min
Lab File: VU036039.D
Acq: 09 Dec 2019 10:27

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD0.505

Tgt Ion:117 Resp: 14322

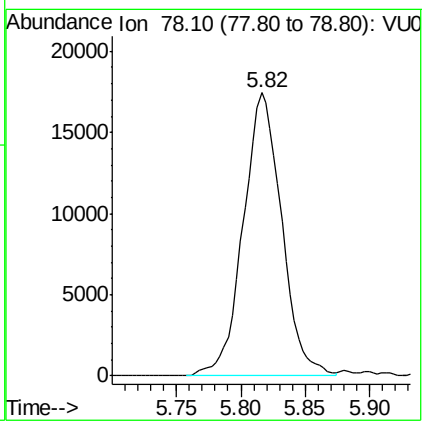
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 101.4 | 78.2 | 117.4 |

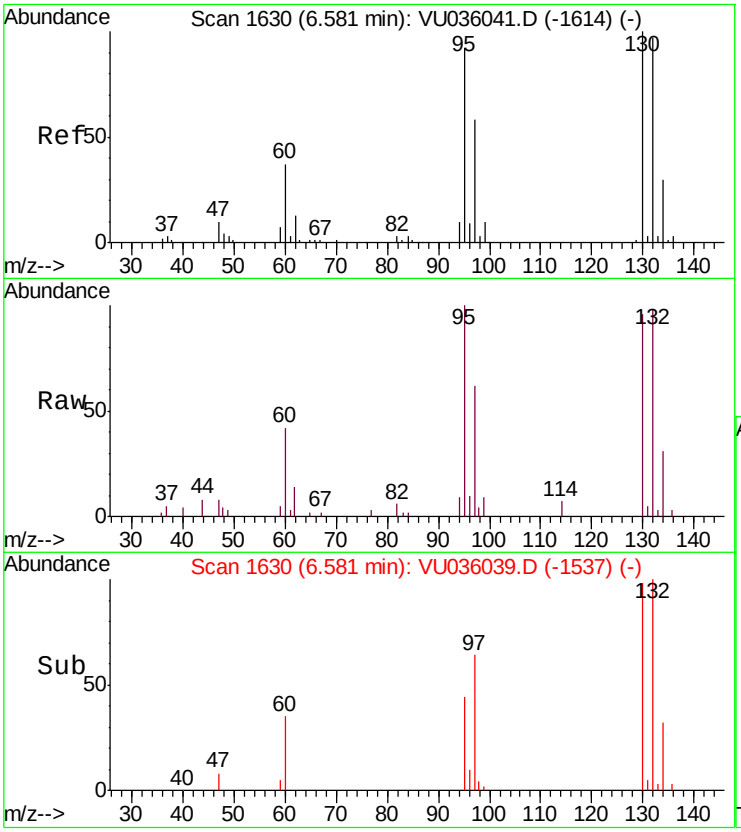



#33
Benzene
Concen: 0.423 ug/L
RT: 5.82 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VU036039.D
Acq: 09 Dec 2019 10:27

Tgt Ion: 78 Resp: 36326



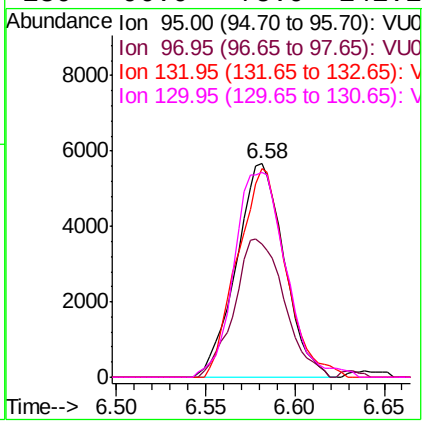


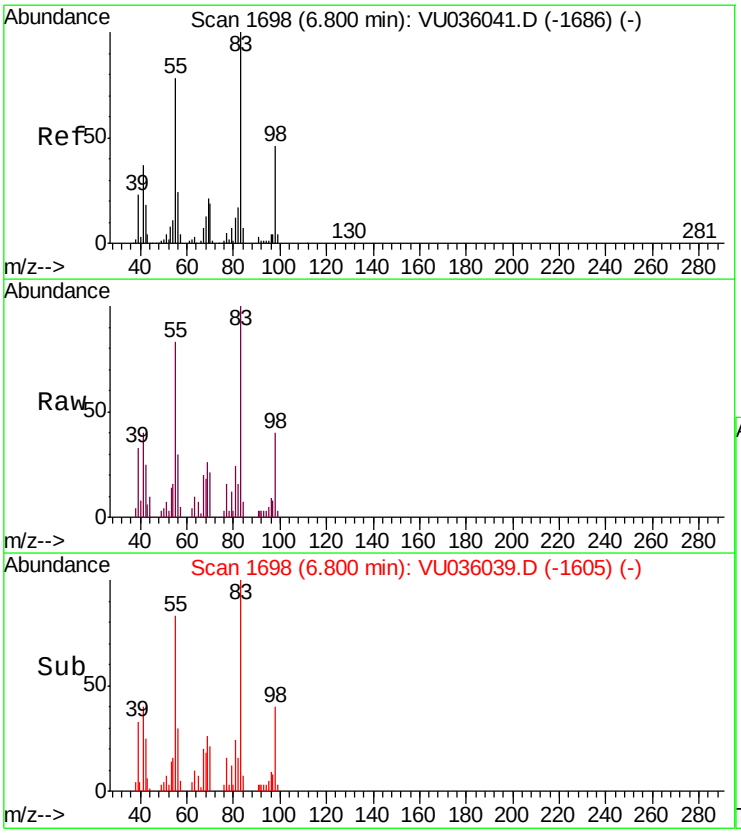

#34
Trichloroethene
Concen: 0.484 ug/L
RT: 6.58 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU036039.D
Acq: 09 Dec 2019 10:27

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD0.505

Tgt Ion: 95 Resp: 10638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 62.2 | 44.4 | 82.4 |
| 132 | 97.8 | 73.4 | 136.4 |
| 130 | 96.0 | 75.9 | 141.1 |

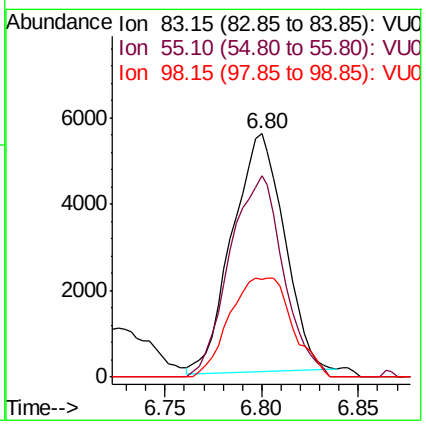


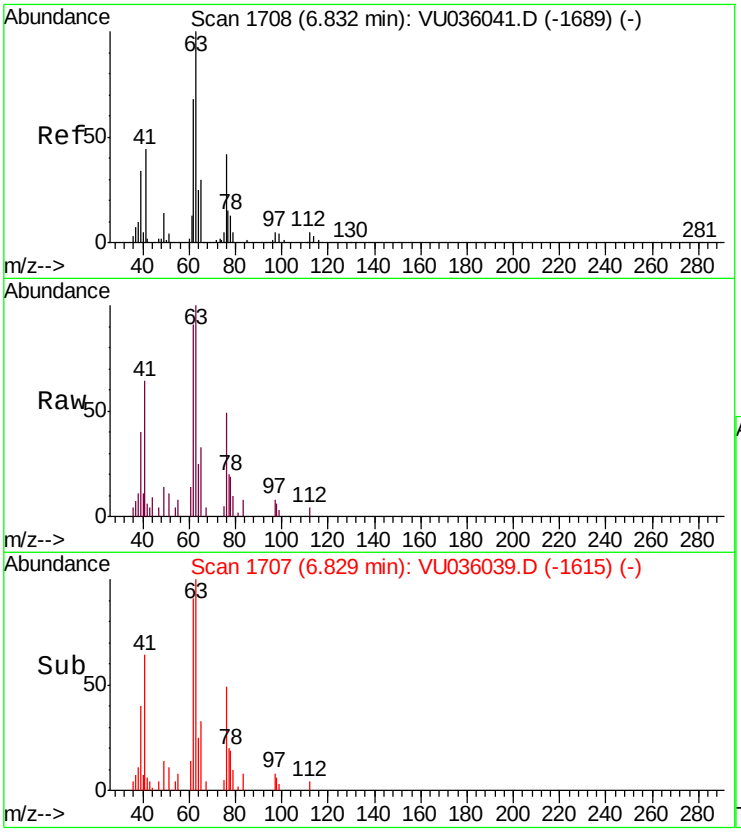




#35
Methylcyclohexane
Concen: 0.320 ug/L
RT: 6.80 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VU036039.D
Acq: 09 Dec 2019 10:27

Tgt Ion: 83 Resp: 10349

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 87.0 | 62.1 | 93.1 |
| 98 | 49.8 | 37.0 | 55.4 |



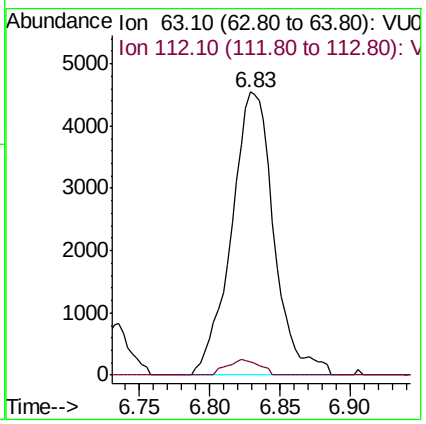


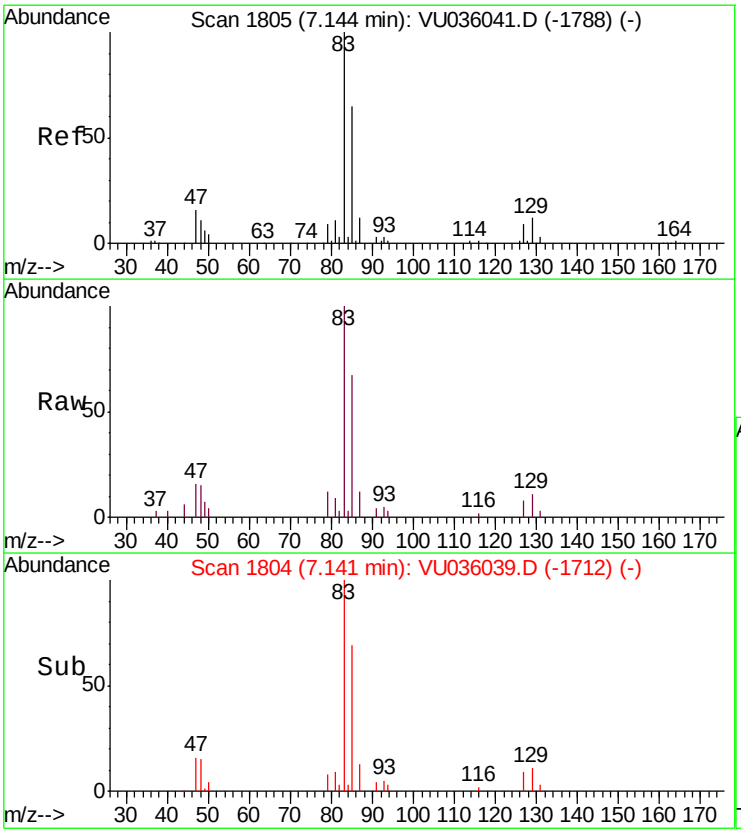

#37
1,2-Dichloropropane
Concen: 0.416 ug/L
RT: 6.83 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VU036039.D
Acq: 09 Dec 2019 10:27

**Instrument :** MSVOA_U
**ClientSampleId :** VSTD0.505

Tgt Ion: 63 Resp: 9639

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 4.1 | 3.8 | 5.8 |

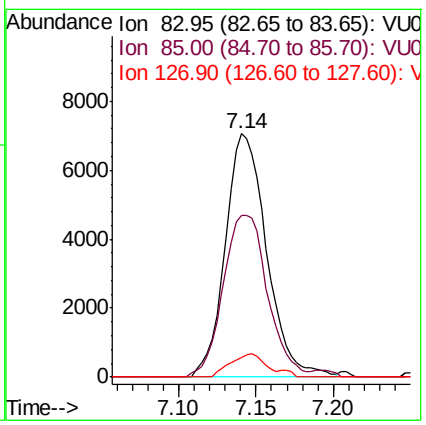


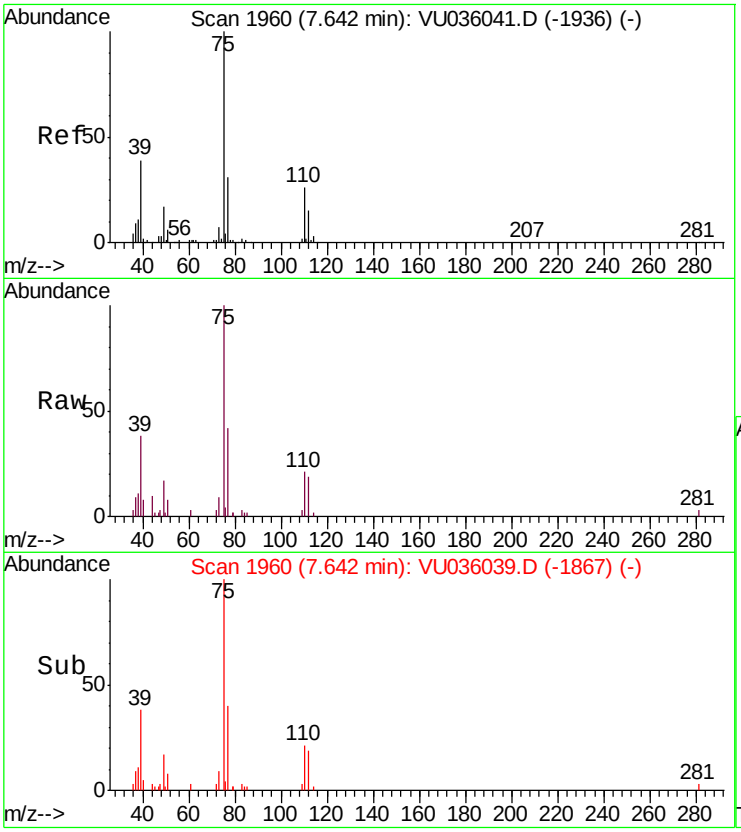




#38
Bromodichloromethane
Concen: 0.467 ug/L
RT: 7.14 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VU036039.D
Acq: 09 Dec 2019 10:27

Tgt Ion: 83 Resp: 13068

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 66.7 | 45.2 | 84.0 |
| 127 | 8.3 | 7.4 | 11.2 |



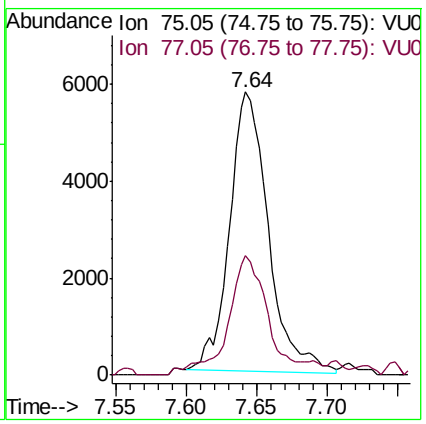


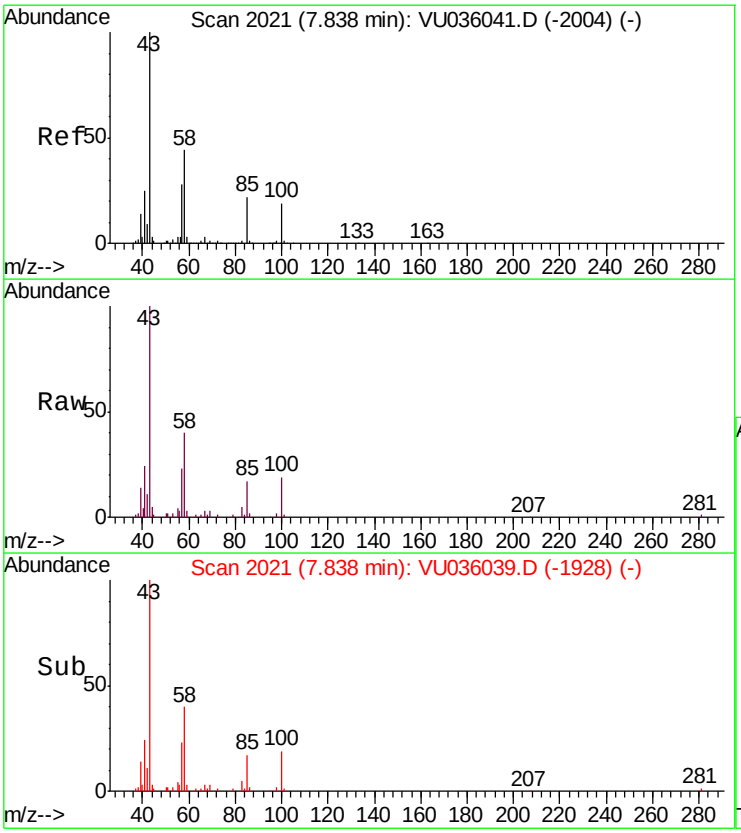

#39
cis-1,3-Dichloropropene
Concen: 0.364 ug/L
RT: 7.64 min Scan# 1960
Delta R.T. 0.00 min
Lab File: VU036039.D
Acq: 09 Dec 2019 10:27

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD0.505

Tgt Ion: 75 Resp: 11148

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 42.4 | 21.7 | 40.3# |

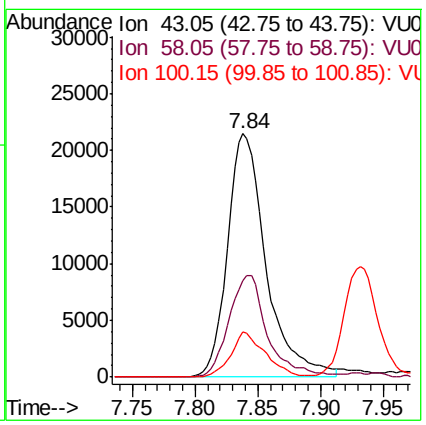


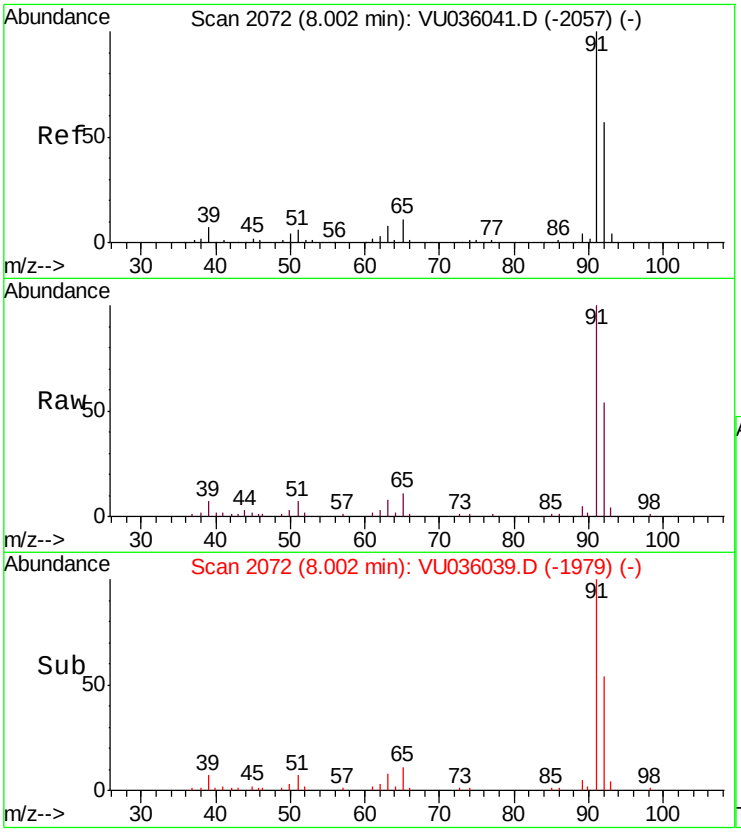




#40
4-Methyl-2-pentanone
Concen: 3.467 ug/L
RT: 7.84 min Scan# 2021
Delta R.T. 0.00 min
Lab File: VU036039.D
Acq: 09 Dec 2019 10:27

Tgt Ion: 43 Resp: 45949

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 42.0 | 34.5 | 51.7 |
| 100 | 16.5 | 14.3 | 21.5 |



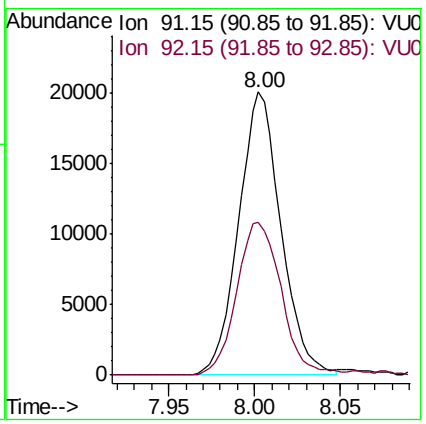


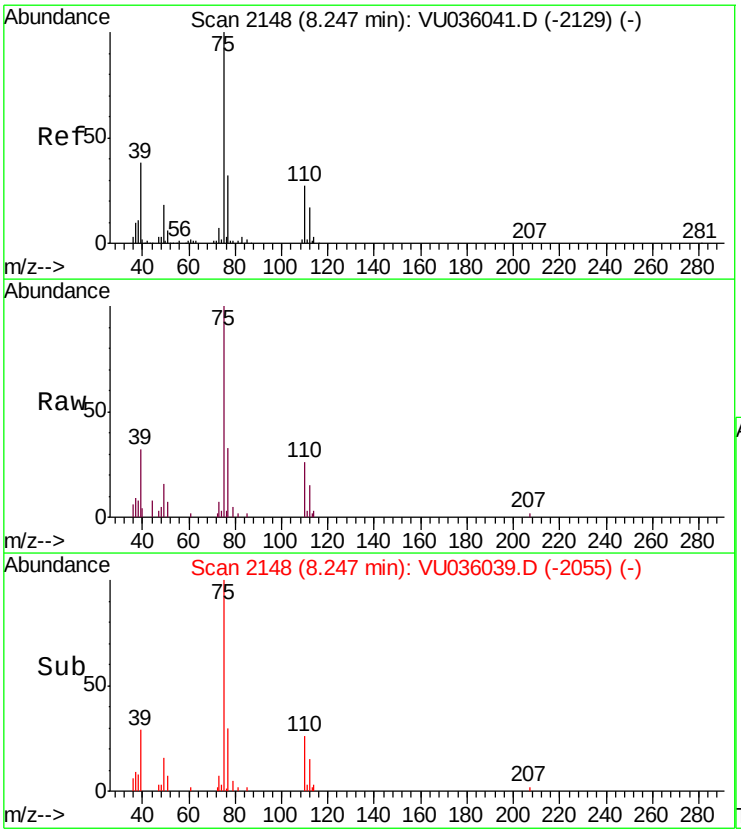

#42
Toluene
Concen: 0.380 ug/L
RT: 8.00 min Scan# 2072
Delta R.T. 0.00 min
Lab File: VU036039.D
Acq: 09 Dec 2019 10:27

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD0.505

Tgt Ion: 91 Resp: 34354

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 54.2 | 40.0 | 74.4 |

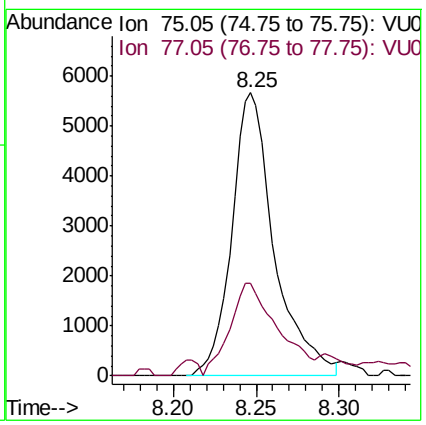


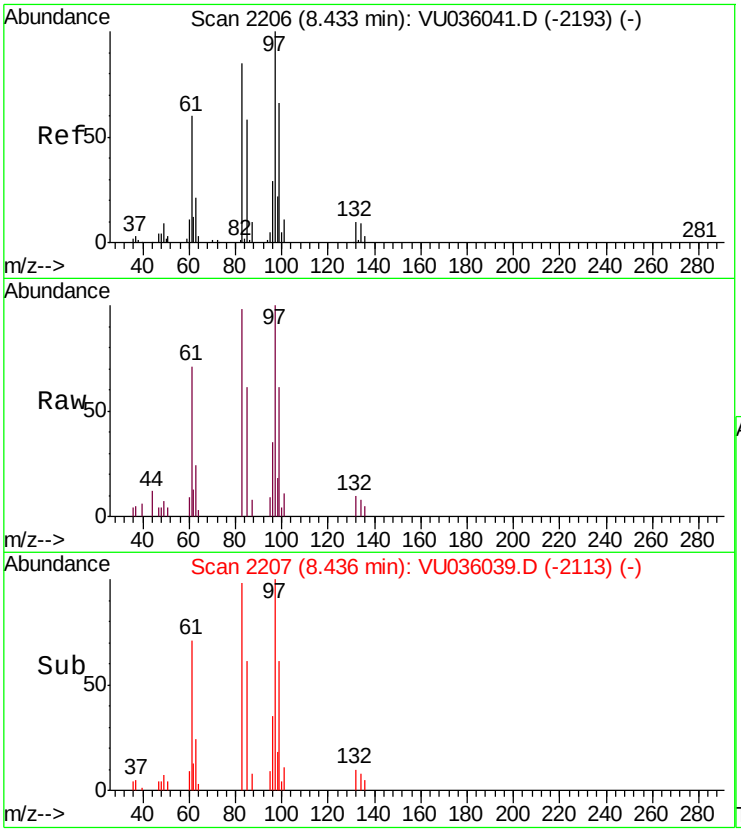




#44
trans-1,3-Dichloropropene
Concen: 0.384 ug/L
RT: 8.25 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VU036039.D
Acq: 09 Dec 2019 10:27

Tgt Ion: 75 Resp: 10095

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.8 | 22.9 | 42.5 |



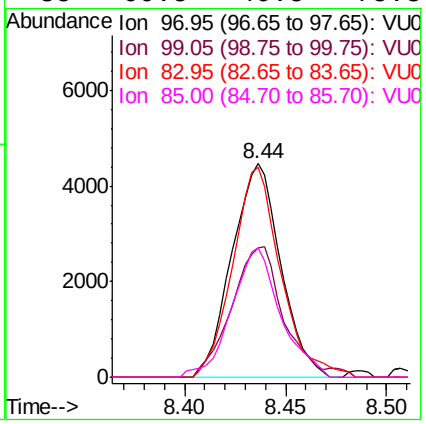


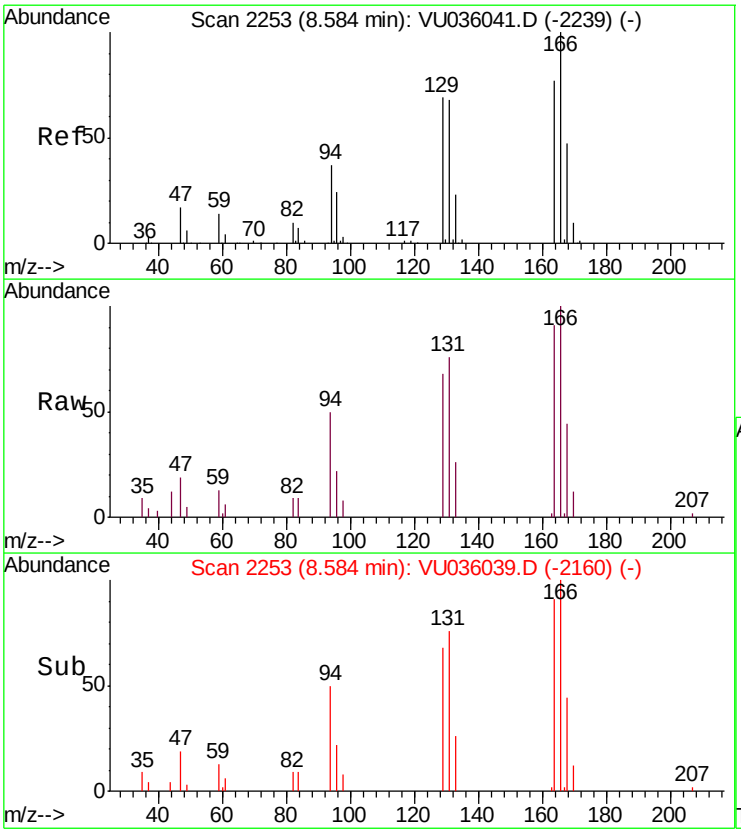

#45
1,1,2-Trichloroethane
Concen: 0.475 ug/L
RT: 8.44 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VU036039.D
Acq: 09 Dec 2019 10:27

**Instrument :** MSVOA_U
**ClientSampleId :** VSTD0.505

Tgt Ion: 97 Resp: 7568

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 60.5 | 46.1 | 85.7 |
| 83 | 98.3 | 59.6 | 110.8 |
| 85 | 60.5 | 40.5 | 75.3 |

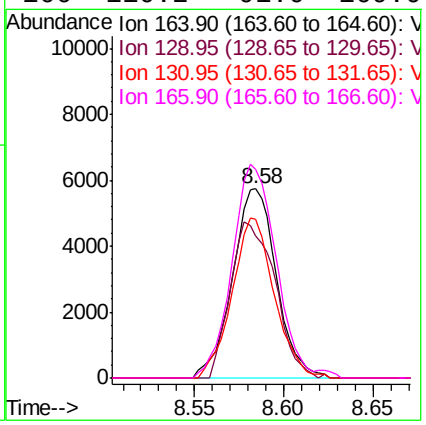


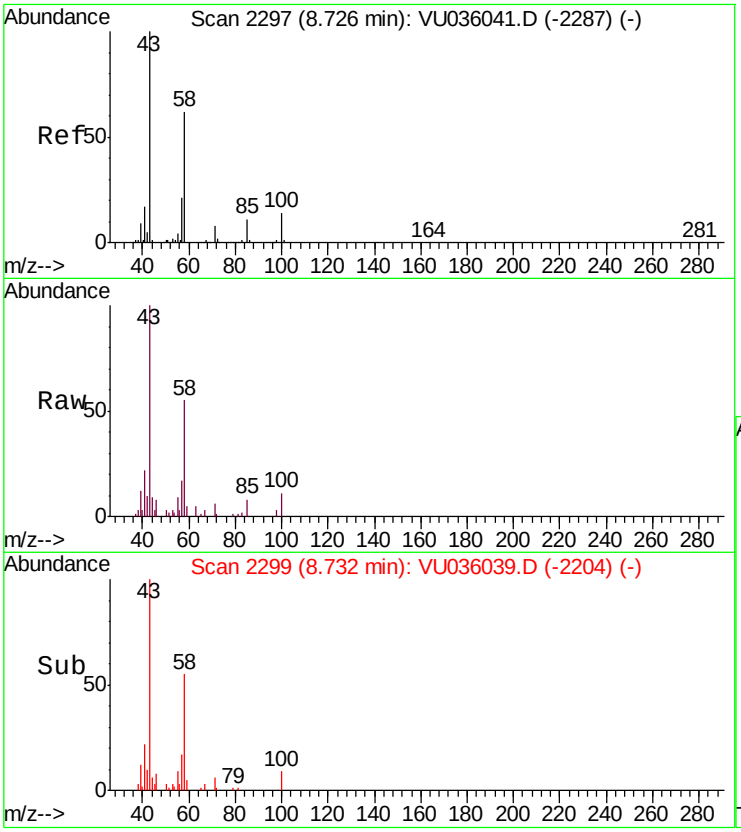




#47
Tetrachloroethene
Concen: 0.539 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. 0.00 min
Lab File: VU036039.D
Acq: 09 Dec 2019 10:27

Tgt Ion:164 Resp: 9861

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 75.2 | 63.1 | 117.3 |
| 131 | 83.7 | 61.5 | 114.1 |
| 166 | 110.2 | 91.0 | 169.0 |



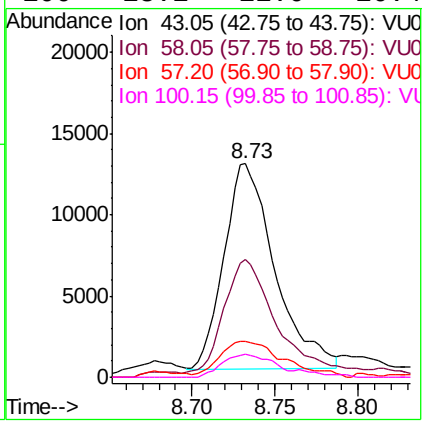


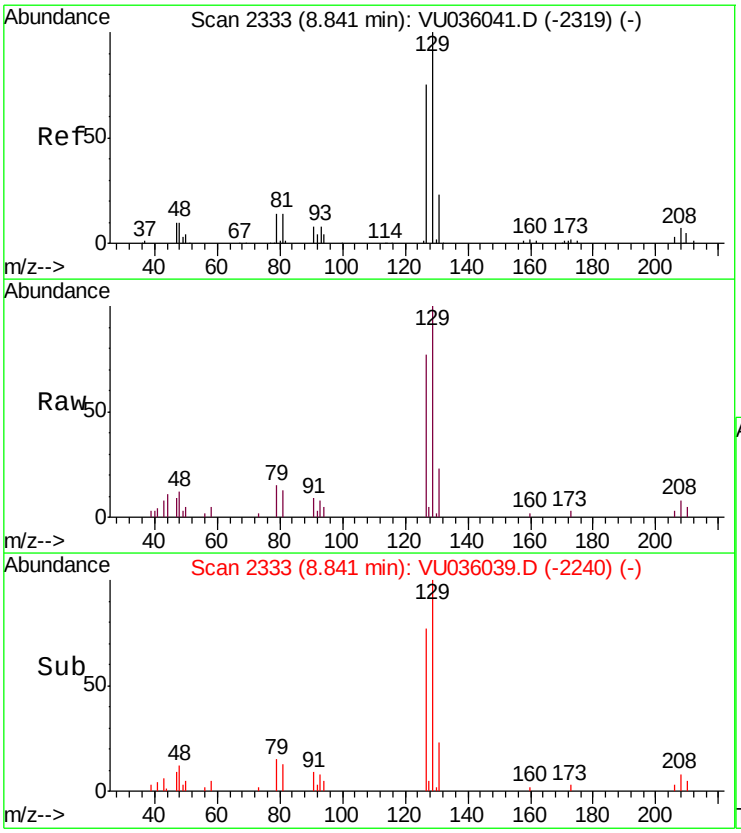

#48
2-Hexanone
Concen: 2.708 ug/L
RT: 8.73 min Scan# 2299
Delta R.T. 0.01 min
Lab File: VU036039.D
Acq: 09 Dec 2019 10:27

**Instrument :** MSVOA_U
**ClientSampleId :** VSTD0.505

Tgt Ion: 43 Resp: 26959

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 59.6 | 46.9 | 70.3 |
| 57 | 21.9 | 16.4 | 24.6 |
| 100 | 13.1 | 11.0 | 16.4 |

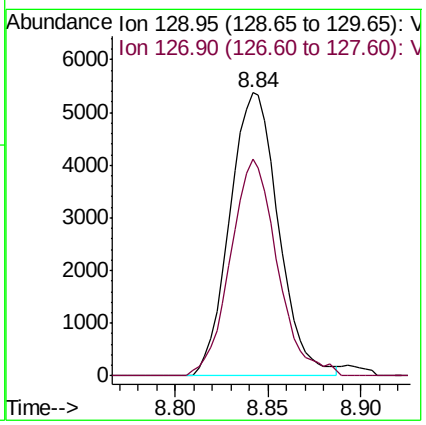


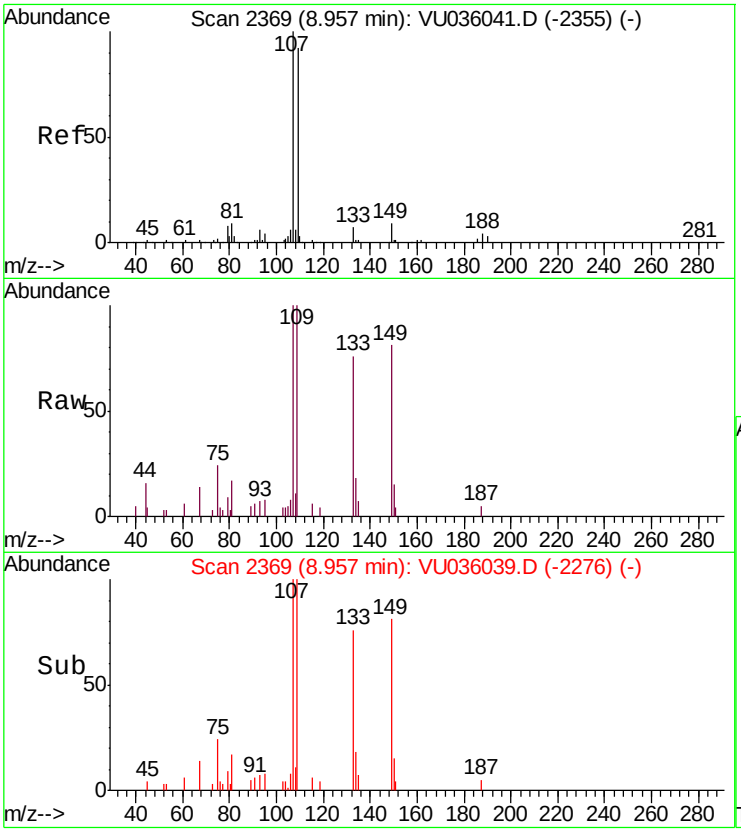




#49
Dibromochloromethane
Concen: 0.483 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. 0.00 min
Lab File: VU036039.D
Acq: 09 Dec 2019 10:27

Tgt Ion:129 Resp: 9814

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 76.7 | 52.5 | 97.5 |



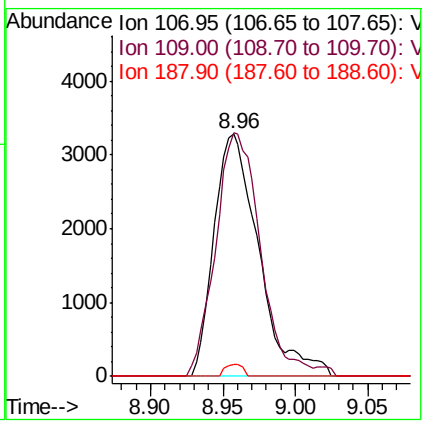


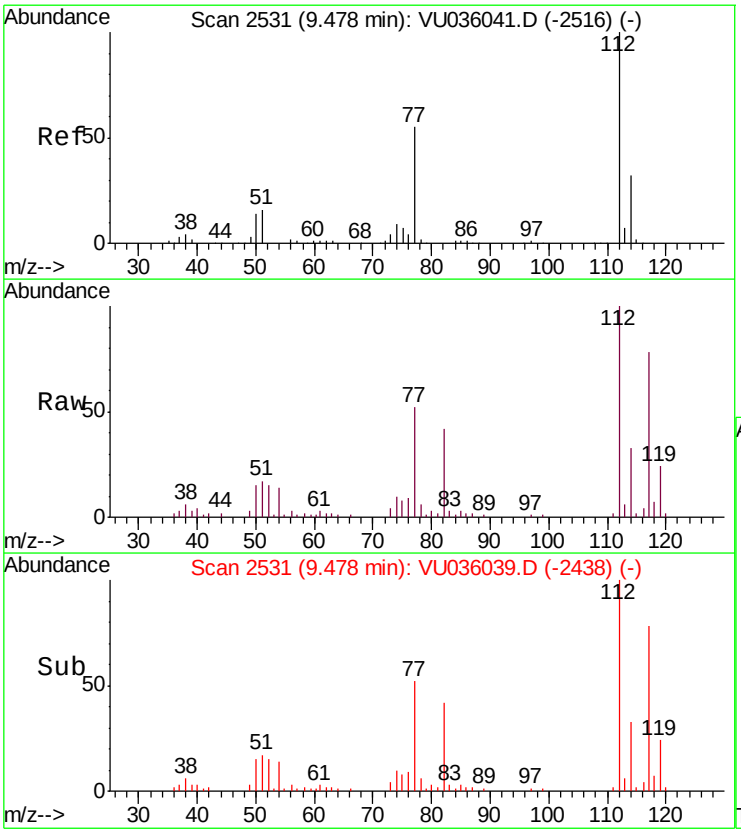

#50
1,2-Dibromoethane
Concen: 0.447 ug/L
RT: 8.96 min Scan# 2369
Delta R.T. 0.00 min
Lab File: VU036039.D
Acq: 09 Dec 2019 10:27

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD0.505

Tgt Ion:107 Resp: 7053

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 100.3 | 64.3 | 119.3 |
| 188 | 5.0 | 3.6 | 5.4 |

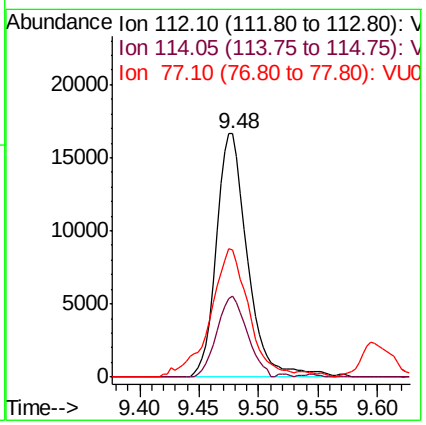


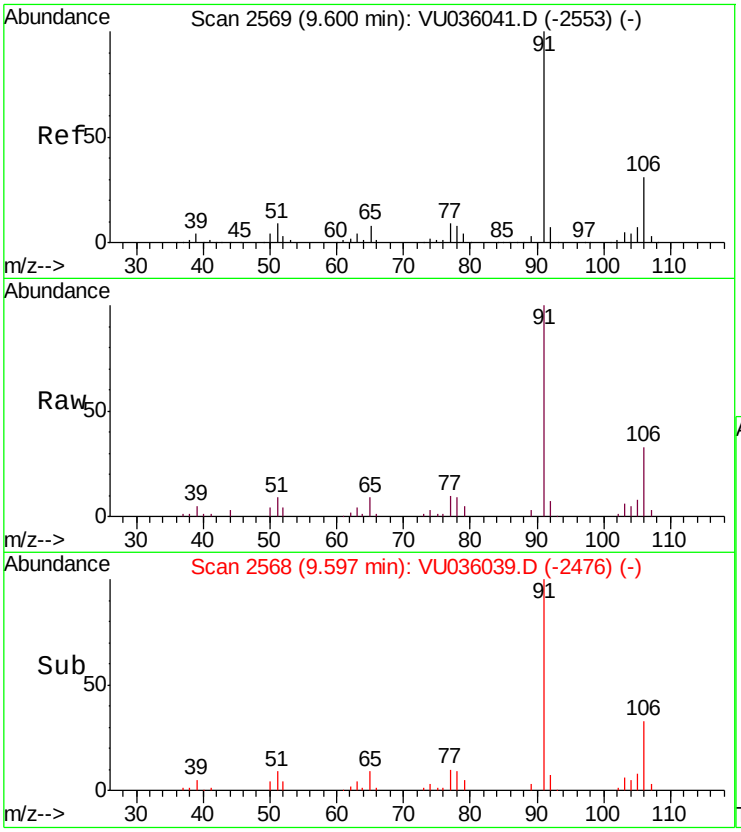




#51
Chlorobenzene
Concen: 0.520 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. 0.00 min
Lab File: VU036039.D
Acq: 09 Dec 2019 10:27

Tgt Ion:112 Resp: 30271

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 33.2 | 22.3 | 41.5 |
| 77 | 52.2 | 43.8 | 65.8 |



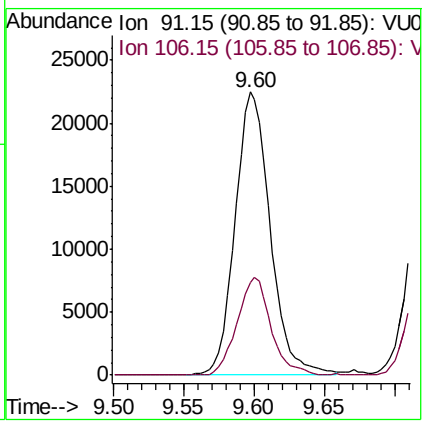


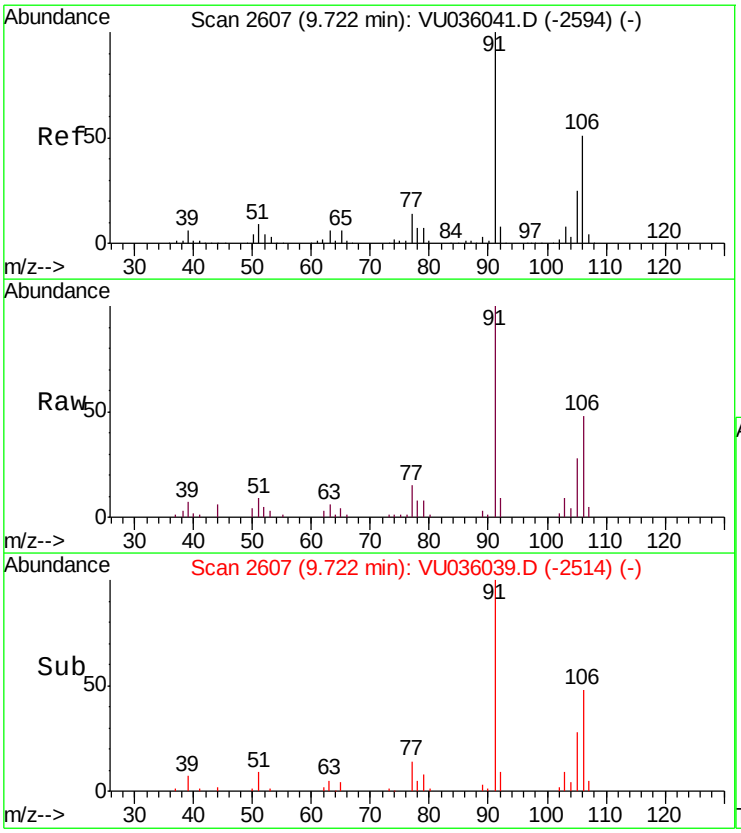

#52
Ethylbenzene
Concen: 0.419 ug/L
RT: 9.60 min Scan# 2568
Delta R.T. -0.00 min
Lab File: VU036039.D
Acq: 09 Dec 2019 10:27

**Instrument :** MSVOA_U
**ClientSampleId :** VSTD0.505

Tgt Ion: 91 Resp: 39217

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 32.5 | 22.0 | 41.0 |

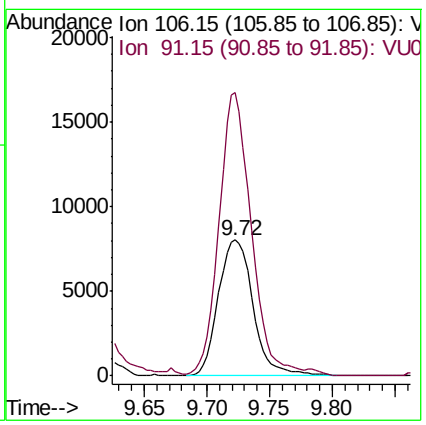


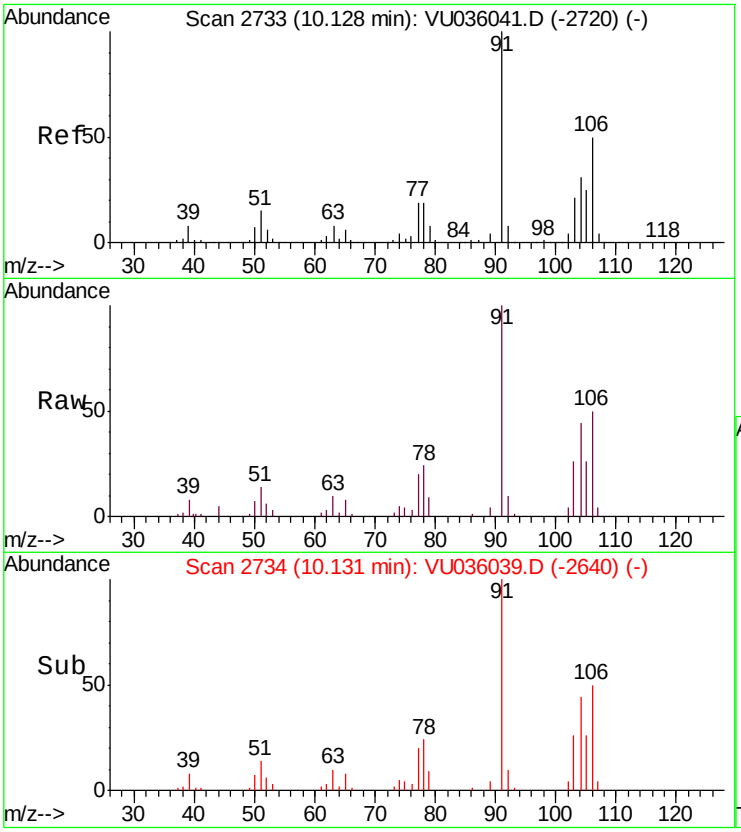




#53
m,p-Xylene
Concen: 0.441 ug/L
RT: 9.72 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VU036039.D
Acq: 09 Dec 2019 10:27

Tgt Ion:106 Resp: 15536

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 208.6 | 136.9 | 254.3 |



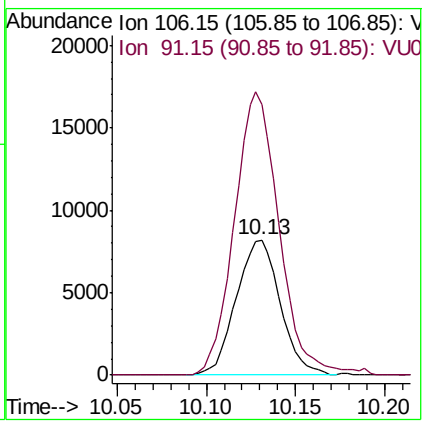


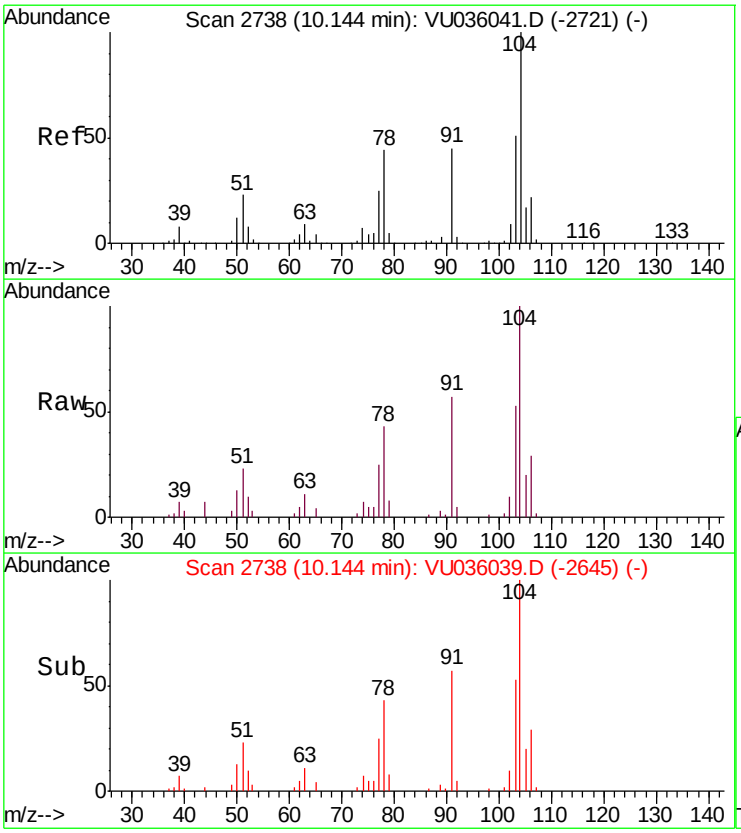

#54
o-Xylene
Concen: 0.434 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU036039.D
Acq: 09 Dec 2019 10:27

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD0.505

Tgt Ion:106 Resp: 14116

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 199.2 | 140.6 | 261.2 |

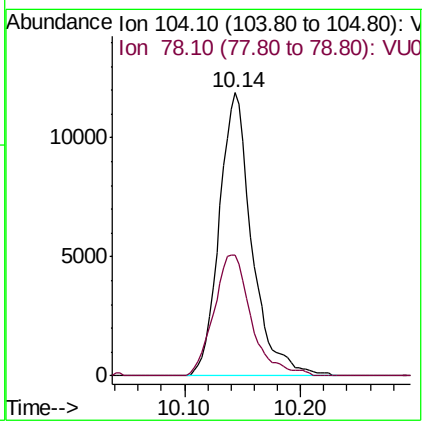


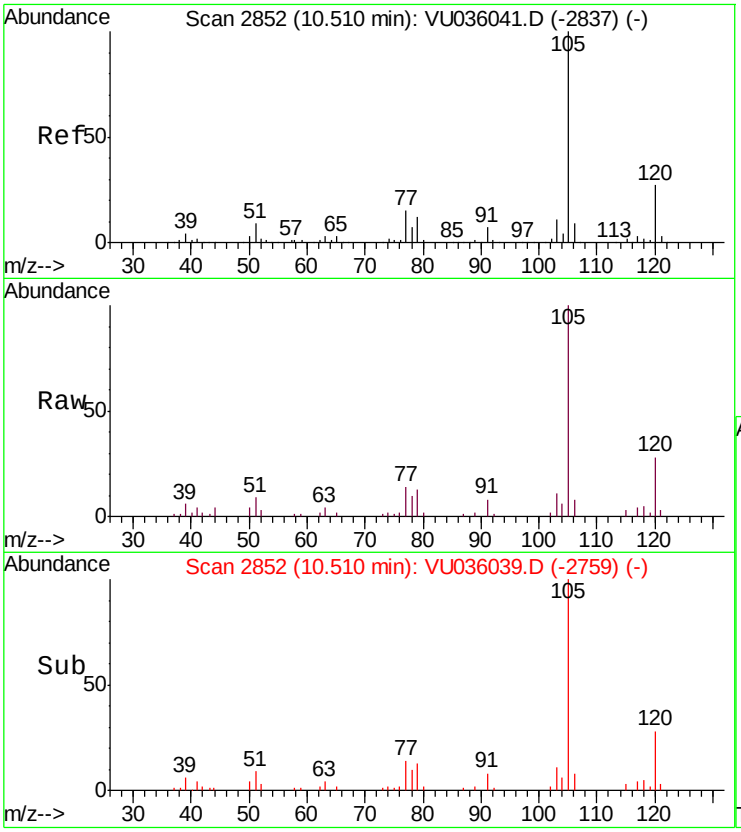




#55
Styrene
Concen: 0.424 ug/L
RT: 10.14 min Scan# 2738
Delta R.T. 0.00 min
Lab File: VU036039.D
Acq: 09 Dec 2019 10:27

Tgt Ion:104 Resp: 23183

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 42.5 | 30.5 | 56.7 |



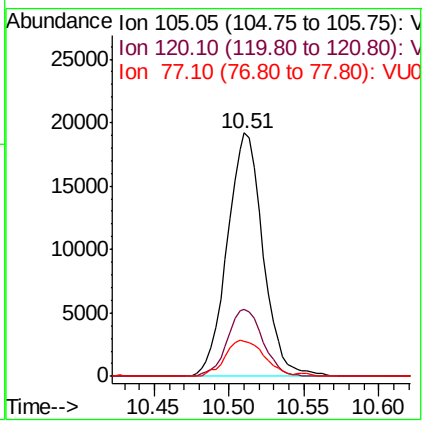


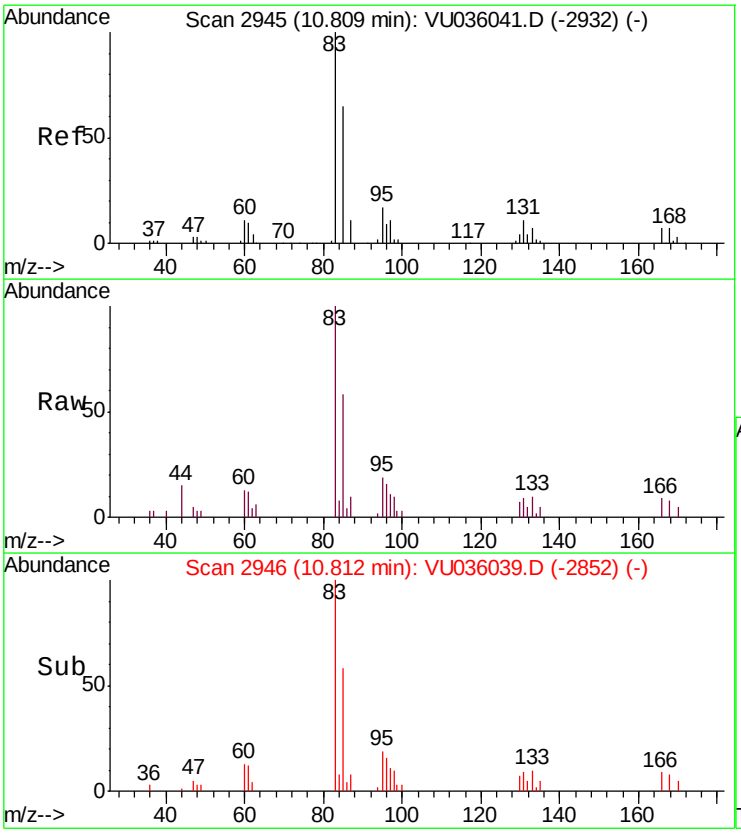

#56
Isopropylbenzene
Concen: 0.374 ug/L
RT: 10.51 min Scan# 2852
Delta R.T. 0.00 min
Lab File: VU036039.D
Acq: 09 Dec 2019 10:27

**Instrument :** MSVOA_U
**ClientSampleId :** VSTD0.505

Tgt Ion:105 Resp: 31860

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 27.2 | 21.4 | 32.2 |
| 77 | 16.2 | 12.3 | 18.5 |

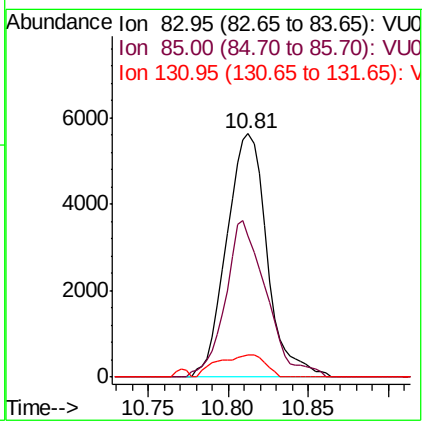


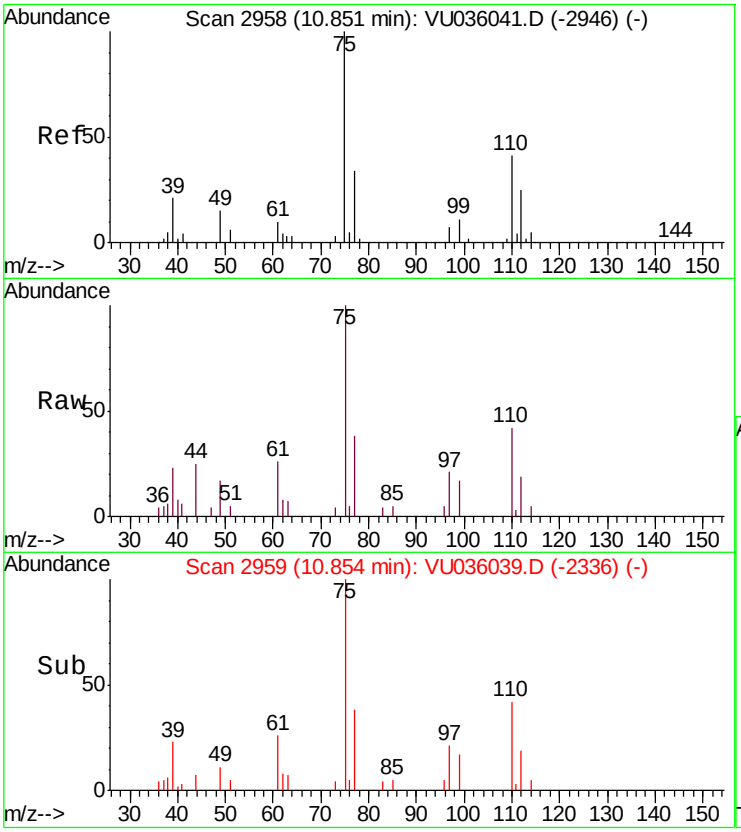




#58
1,1,2,2-Tetrachloroethane
Concen: 0.459 ug/L
RT: 10.81 min Scan# 2946
Delta R.T. 0.00 min
Lab File: VU036039.D
Acq: 09 Dec 2019 10:27

Tgt Ion: 83 Resp: 9705

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 58.2 | 45.4 | 84.2 |
| 131 | 9.0 | 9.0 | 13.4 |



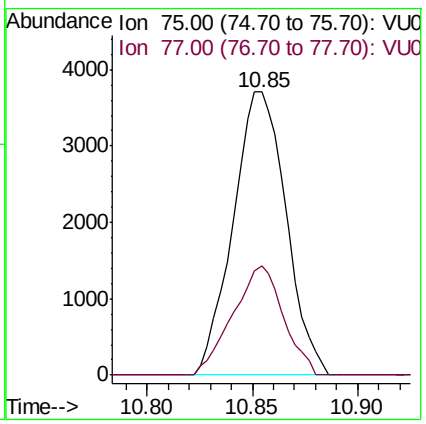


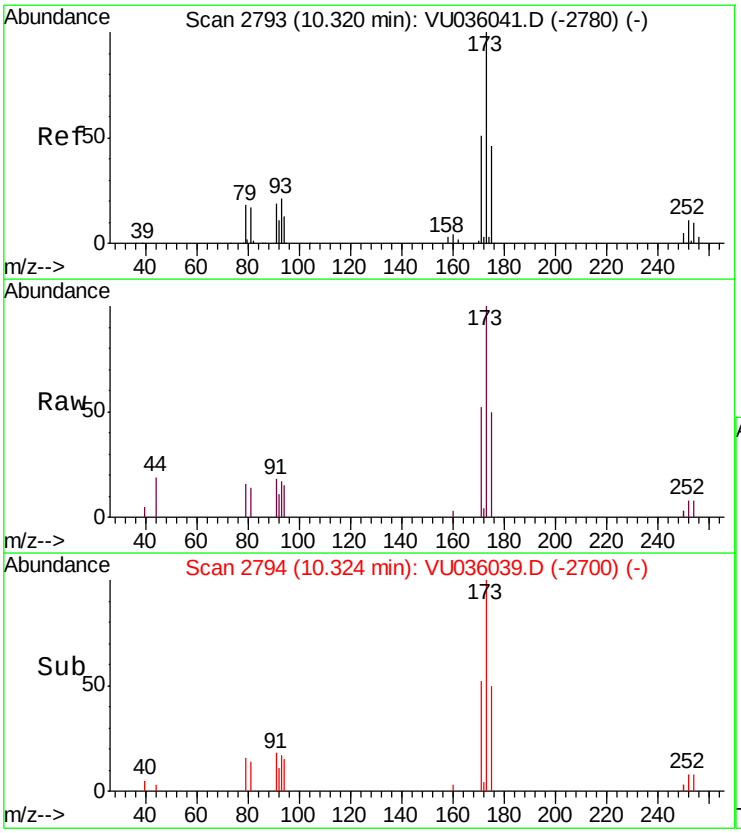

#59
1,2,3-Trichloropropane
Concen: 0.428 ug/L
RT: 10.85 min Scan# 2959
Delta R.T. 0.00 min
Lab File: VU036039.D
Acq: 09 Dec 2019 10:27

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD0.505

Tgt Ion: 75 Resp: 6470

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 36.8 | 26.7 | 40.1 |

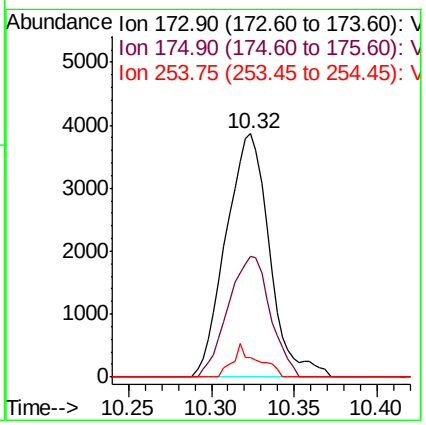


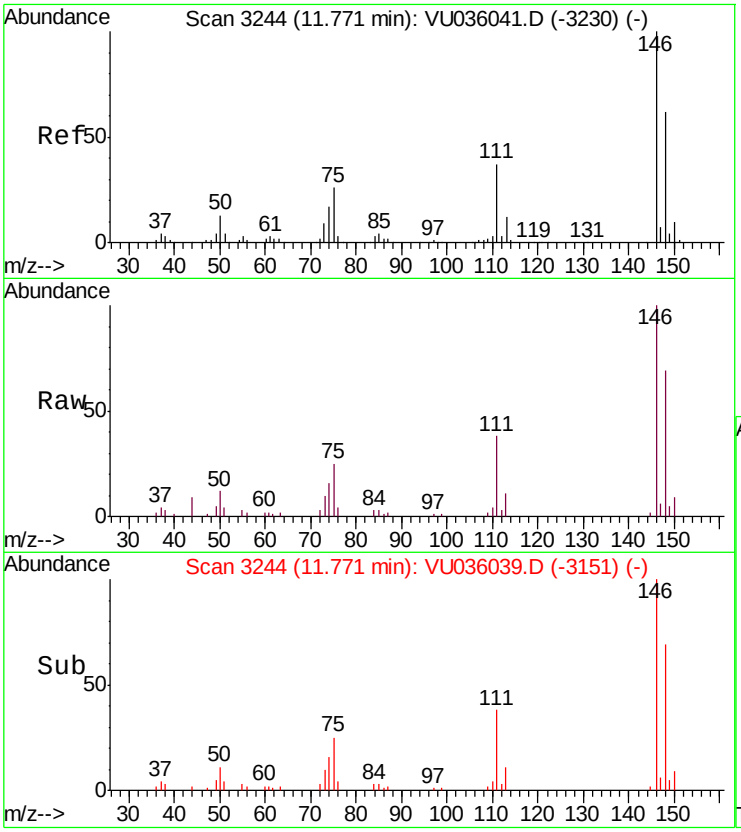




#61
Bromoform
Concen: 0.785 ug/L
RT: 10.32 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VU036039.D
Acq: 09 Dec 2019 10:27

Tgt Ion:173 Resp: 7066

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 47.8 | 39.4 | 59.0 |
| 254 | 7.7 | 8.1 | 12.1# |



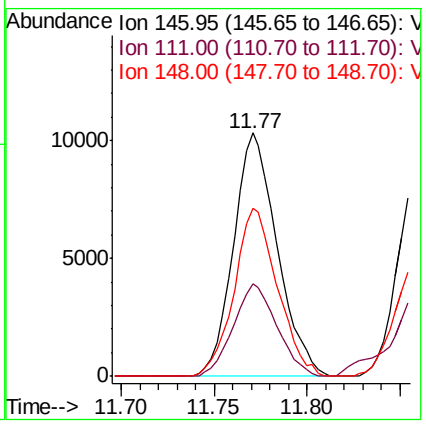


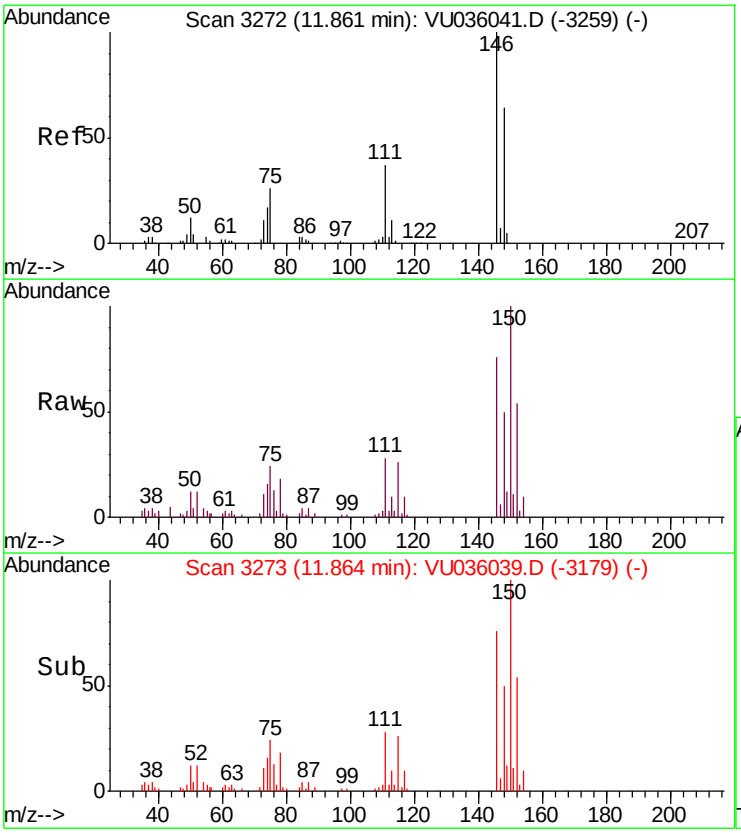

#62
1,3-Dichlorobenzene
Concen: 0.521 ug/L
RT: 11.77 min Scan# 3244
Delta R.T. 0.00 min
Lab File: VU036039.D
Acq: 09 Dec 2019 10:27

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD0.505

Tgt Ion:146 Resp: 16817

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 38.1 | 26.0 | 48.2 |
| 148 | 69.0 | 43.7 | 81.1 |

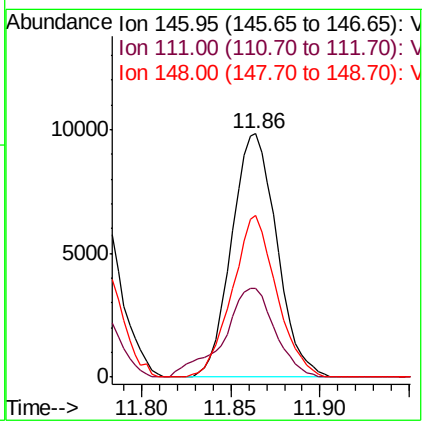


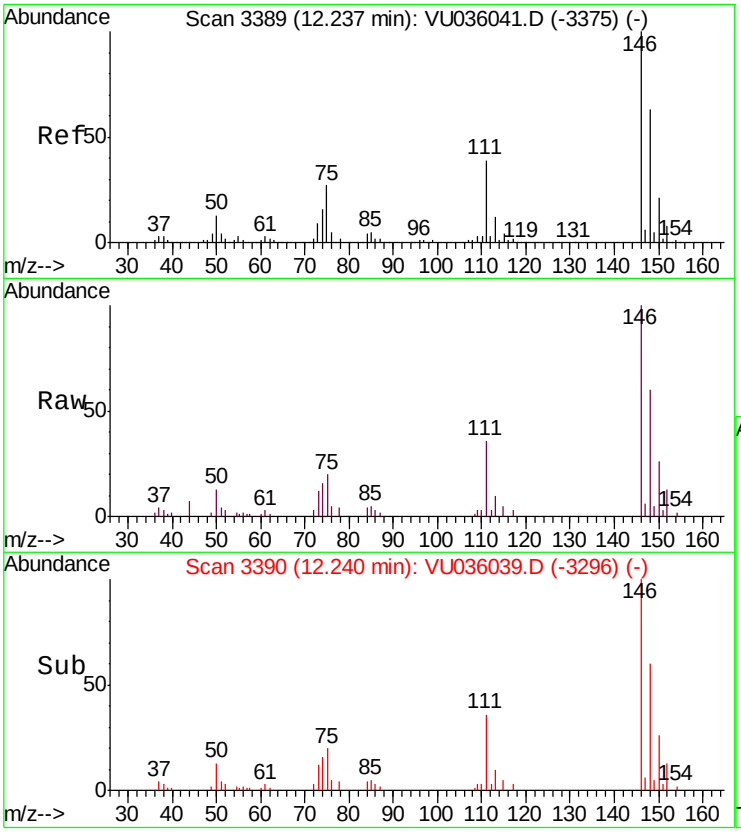




#63
1,4-Dichlorobenzene
Concen: 0.539 ug/L
RT: 11.86 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VU036039.D
Acq: 09 Dec 2019 10:27

Tgt Ion:146 Resp: 17312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 36.3 | 26.2 | 48.6 |
| 148 | 66.4 | 44.9 | 83.5 |



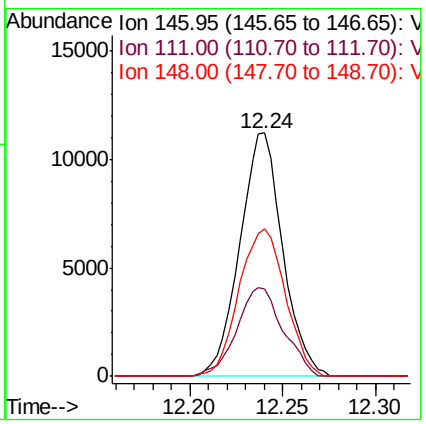


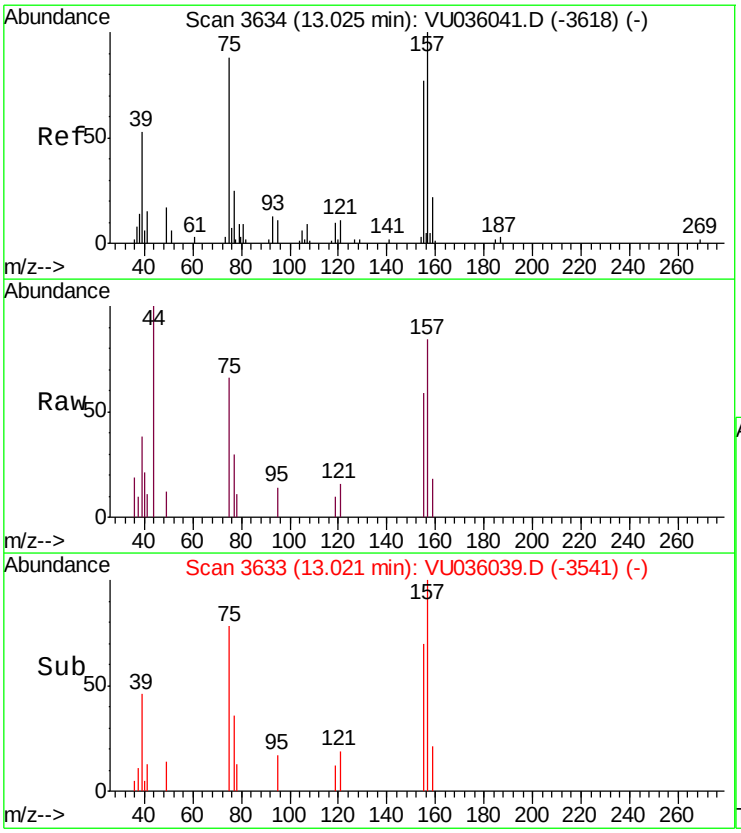

#65
1,2-Dichlorobenzene
Concen: 0.586 ug/L
RT: 12.24 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VU036039.D
Acq: 09 Dec 2019 10:27

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD0.505

Tgt Ion:146 Resp: 18052

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 35.8 | 31.3 | 46.9 |
| 148 | 60.5 | 50.5 | 75.7 |

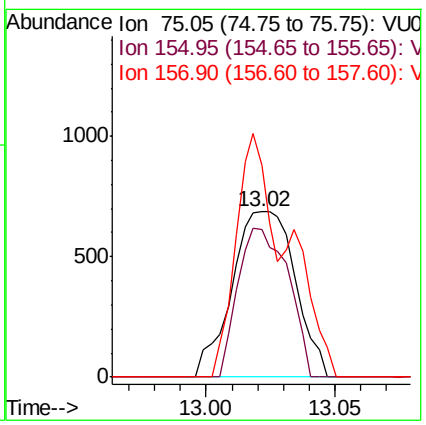


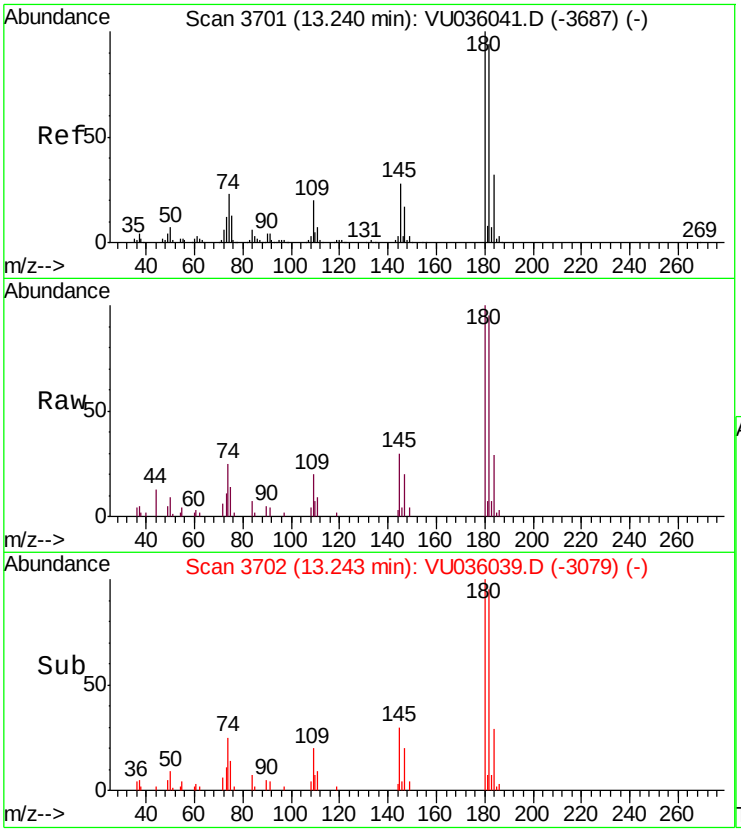




#66
1,2-Dibromo-3-chloropropane
Concen: 0.498 ug/L
RT: 13.02 min Scan# 3633
Delta R.T. -0.00 min
Lab File: VU036039.D
Acq: 09 Dec 2019 10:27

Tgt Ion: 75 Resp: 1175

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 89.5 | 70.0 | 105.0 |
| 157 | 128.1 | 90.5 | 135.7 |



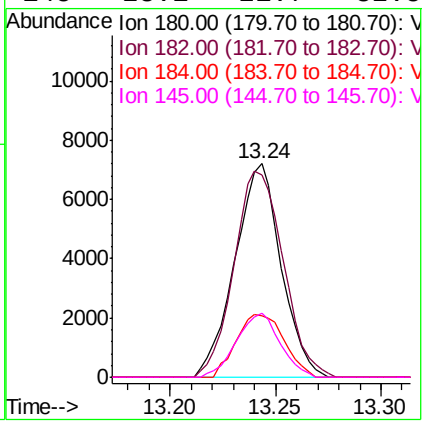


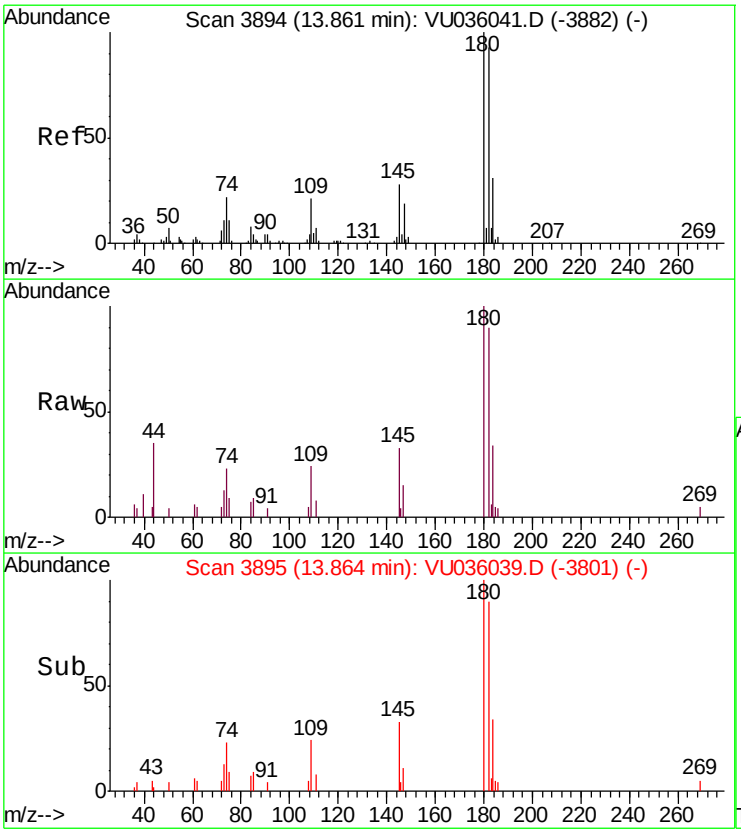

#67
1,3,5-Trichlorobenzene
Concen: 0.487 ug/L
RT: 13.24 min Scan# 3702
Delta R.T. 0.00 min
Lab File: VU036039.D
Acq: 09 Dec 2019 10:27

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD0.505

Tgt Ion:180 Resp: 10982

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 102.8 | 75.2 | 112.8 |
| 184 | 30.2 | 24.2 | 36.2 |
| 145 | 28.1 | 21.7 | 32.5 |

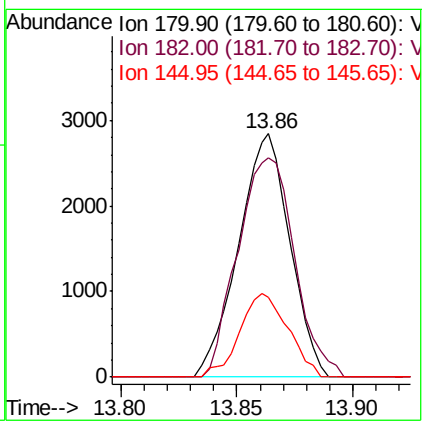


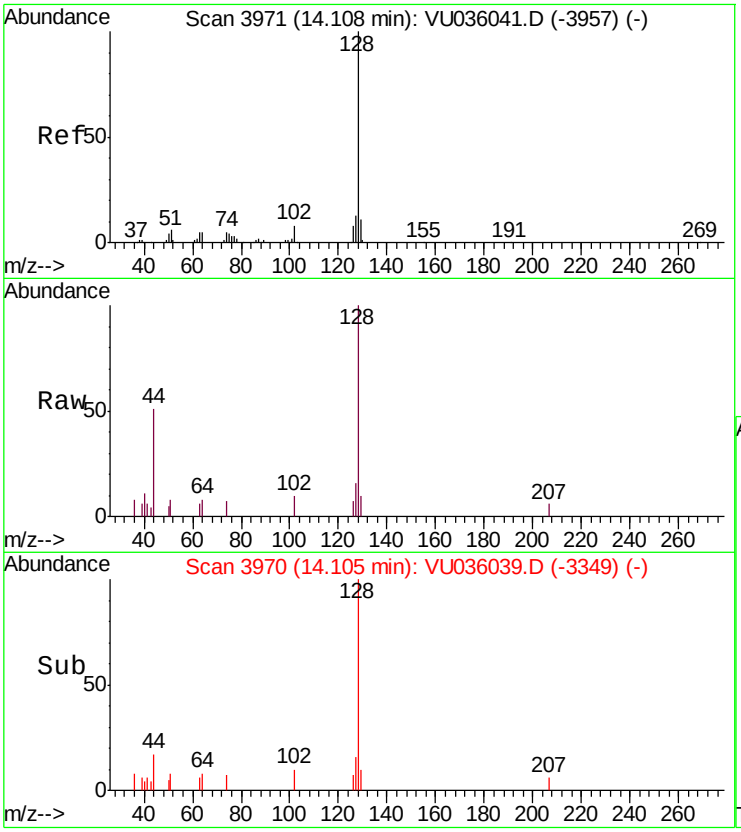




#68
1,2,4-trichlorobenzene
Concen: 0.365 ug/L
RT: 13.86 min Scan# 3895
Delta R.T. 0.00 min
Lab File: VU036039.D
Acq: 09 Dec 2019 10:27

Tgt Ion:180 Resp: 4383

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 99.7 | 74.3 | 111.5 |
| 145 | 32.3 | 22.1 | 33.1 |



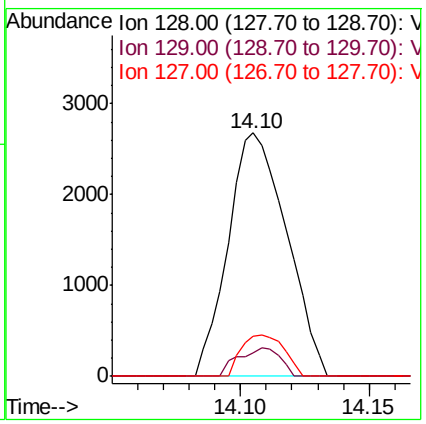


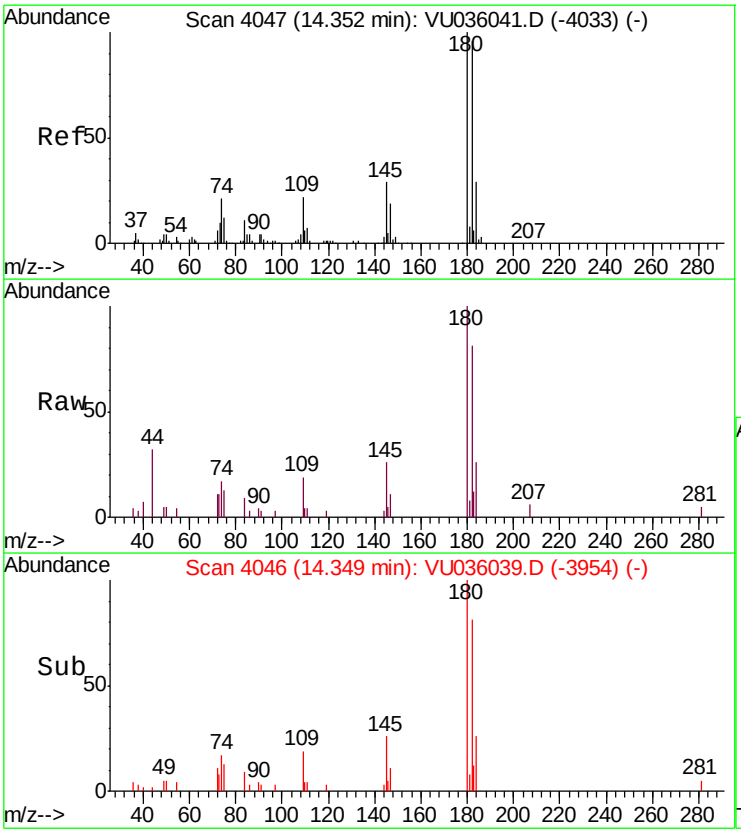

#69
Naphthalene
Concen: 0.320 ug/L
RT: 14.10 min Scan# 3970
Delta R.T. -0.00 min
Lab File: VU036039.D
Acq: 09 Dec 2019 10:27

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD0.505

Tgt Ion:128 Resp: 4234

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 8.4 | 9.2 | 13.8# |
| 127 | 12.4 | 11.1 | 16.7 |




#70
1,2,3-Trichlorobenzene
Concen: 0.428 ug/L
RT: 14.35 min Scan# 4046
Delta R.T. -0.00 min
Lab File: VU036039.D
Acq: 09 Dec 2019 10:27

Tgt Ion:180 Resp: 4985

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.1 | 76.9 | 115.3 |
| 145 | 25.6 | 23.5 | 35.3 |