Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102720\
Data File : VU040989.D
Acq On : 27 Oct 2020 17:21
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** VSTD00529

Quant Time: Oct 28 02:27:08 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 28 02:17:39 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 6.26 | 114 | 56055 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.42 | 117 | 56772 | 5.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152 | 28707 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.60 | 65 | 22557 | 4.79 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 95.80% | | | |
| 7) Chloroethane-d5 | 1.92 | 69 | 18470 | 5.10 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 102.00% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.58 | 63 | 46693 | 5.05 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 101.00% | | | |
| 20) 2-Butanone-d5 | 4.66 | 46 | 84302 | 54.36 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 108.72% | | | |
| 24) Chloroform-d | 5.08 | 84 | 43555 | 5.24 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 104.80% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.72 | 65 | 26638 | 5.16 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 103.20% | | | |
| 32) Benzene-d6 | 5.74 | 84 | 79041 | 5.21 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 104.20% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.70 | 67 | 25795 | 5.22 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 104.40% | | | |
| 41) Toluene-d8 | 7.91 | 98 | 70659 | 5.14 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 102.80% | | | |
| 43) trans-1,3-Dichloropropene- | 8.19 | 79 | 11077 | 5.17 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 103.40% | | | |
| 46) 2-Hexanone-d5 | 8.64 | 63 | 62375 | 54.06 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 108.12% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.75 | 84 | 24672 | 5.37 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 107.40% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 12.19 | 152 | 25656 | 5.09 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 101.80% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.39 | 85 | 27706 | 5.414 | ug/L | 98 |
| 3) Chloromethane | 1.53 | 50 | 29167 | 5.466 | ug/L | 99 |
| 5) Vinyl chloride | 1.61 | 62 | 28762 | 5.464 | ug/L | 100 |
| 6) Bromomethane | 1.87 | 94 | 13887 | 4.602 | ug/L | 97 |
| 8) Chloroethane | 1.94 | 64 | 17716 | 5.311 | ug/L | 99 |
| 9) Trichlorofluoromethane | 2.15 | 101 | 39092 | 5.463 | ug/L | 100 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.59 | 101 | 23629 | 5.635 | ug/L | 98 |
| 12) 1,1-Dichloroethene | 2.59 | 96 | 21688 | 5.477 | ug/L | 95 |
| 13) Acetone | 2.68 | 43 | 56980 | 53.742 | ug/L # | 66 |
| 14) Carbon disulfide | 2.81 | 76 | 68751 | 5.196 | ug/L | 100 |
| 15) Methyl Acetate | 2.98 | 43 | 13161 | 5.425 | ug/L | 94 |
| 16) Methylene chloride | 3.06 | 84 | 26139 | 5.666 | ug/L | 97 |
| 17) Methyl tert-butyl Ether | 3.38 | 73 | 53744 | 5.274 | ug/L | 99 |
| 18) trans-1,2-Dichloroethene | 3.37 | 96 | 21772 | 5.411 | ug/L | 97 |
| 19) 1,1-Dichloroethane | 3.89 | 63 | 43783 | 5.442 | ug/L | 98 |
| 21) 2-Butanone | 4.74 | 43 | 90521 | 54.627 | ug/L | 99 |
| 22) cis-1,2-Dichloroethene | 4.69 | 96 | 22816 | 5.497 | ug/L | 99 |

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102720\
Data File : VU040989.D
Acq On : 27 Oct 2020 17:21
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** VSTD00529

Quant Time: Oct 28 02:27:08 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 28 02:17:39 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 23) Bromochloromethane | 4.99 | 128 | 10824 | 5.528 ug/L | 93 |
| 25) Chloroform | 5.11 | 83 | 45169 | 5.599 ug/L | 96 |
| 27) 1,2-Dichloroethane | 5.81 | 62 | 34220 | 5.695 ug/L | 98 |
| 29) 1,1,1-Trichloroethane | 5.33 | 97 | 38086 | 5.485 ug/L | 97 |
| 30) Cyclohexane | 5.41 | 56 | 35487 | 5.187 ug/L | 99 |
| 31) Carbon tetrachloride | 5.54 | 117 | 32750 | 5.327 ug/L | 100 |
| 33) Benzene | 5.79 | 78 | 92604 | 5.459 ug/L | 100 |
| 34) Trichloroethene | 6.56 | 95 | 22762 | 5.273 ug/L | 99 |
| 35) Methylcyclohexane | 6.77 | 83 | 33516 | 5.205 ug/L | 98 |
| 37) 1,2-Dichloropropane | 6.80 | 63 | 25649 | 5.588 ug/L | 98 |
| 38) Bromodichloromethane | 7.11 | 83 | 32232 | 5.414 ug/L | 99 |
| 39) cis-1,3-Dichloropropene | 7.62 | 75 | 32691 | 5.173 ug/L | 99 |
| 40) 4-Methyl-2-pentanone | 7.80 | 43 | 203451 | 55.591 ug/L | 99 |
| 42) Toluene | 7.98 | 91 | 96349 | 5.601 ug/L | 99 |
| 44) trans-1,3-Dichloropropene | 8.22 | 75 | 32199 | 5.444 ug/L | 96 |
| 45) 1,1,2-Trichloroethane | 8.41 | 97 | 18967 | 5.551 ug/L | 95 |
| 47) Tetrachloroethene | 8.56 | 164 | 17330 | 5.459 ug/L | 98 |
| 48) 2-Hexanone | 8.69 | 43 | 157516 | 57.160 ug/L | 99 |
| 49) Dibromochloromethane | 8.81 | 129 | 21588 | 5.440 ug/L | 98 |
| 50) 1,2-Dibromoethane | 8.93 | 107 | 17330 | 5.323 ug/L | 99 |
| 51) Chlorobenzene | 9.45 | 112 | 59662 | 5.470 ug/L | 98 |
| 52) Ethylbenzene | 9.57 | 91 | 97059 | 5.361 ug/L | 100 |
| 53) m,p-Xylene | 9.69 | 106 | 37414 | 5.666 ug/L | 97 |
| 54) o-Xylene | 10.10 | 106 | 34270 | 5.572 ug/L | 96 |
| 55) Styrene | 10.11 | 104 | 62960 | 5.746 ug/L | 97 |
| 56) Isopropylbenzene | 10.48 | 105 | 91329 | 5.523 ug/L | 99 |
| 58) 1,1,2,2-Tetrachloroethane | 10.78 | 83 | 24488 | 5.457 ug/L | 98 |
| 59) 1,2,3-Trichloropropane | 10.82 | 75 | 18555 | 5.424 ug/L | 100 |
| 61) Bromoform | 10.29 | 173 | 11800 | 5.334 ug/L | 100 |
| 62) 1,3-Dichlorobenzene | 11.74 | 146 | 46011 | 5.553 ug/L | 95 |
| 63) 1,4-Dichlorobenzene | 11.83 | 146 | 46864 | 5.461 ug/L | 98 |
| 65) 1,2-Dichlorobenzene | 12.21 | 146 | 44152 | 5.399 ug/L | 97 |
| 66) 1,2-Dibromo-3-chloropropan | 12.99 | 75 | 4043 | 5.045 ug/L | 89 |
| 67) 1,3,5-Trichlorobenzene | 13.21 | 180 | 30218 | 5.214 ug/L | 99 |
| 68) 1,2,4-trichlorobenzene | 13.83 | 180 | 24514 | 5.106 ug/L | 96 |
| 69) Naphthalene | 14.08 | 128 | 42349 | 4.933 ug/L | 99 |
| 70) 1,2,3-Trichlorobenzene | 14.32 | 180 | 24723 | 5.587 ug/L | 96 |

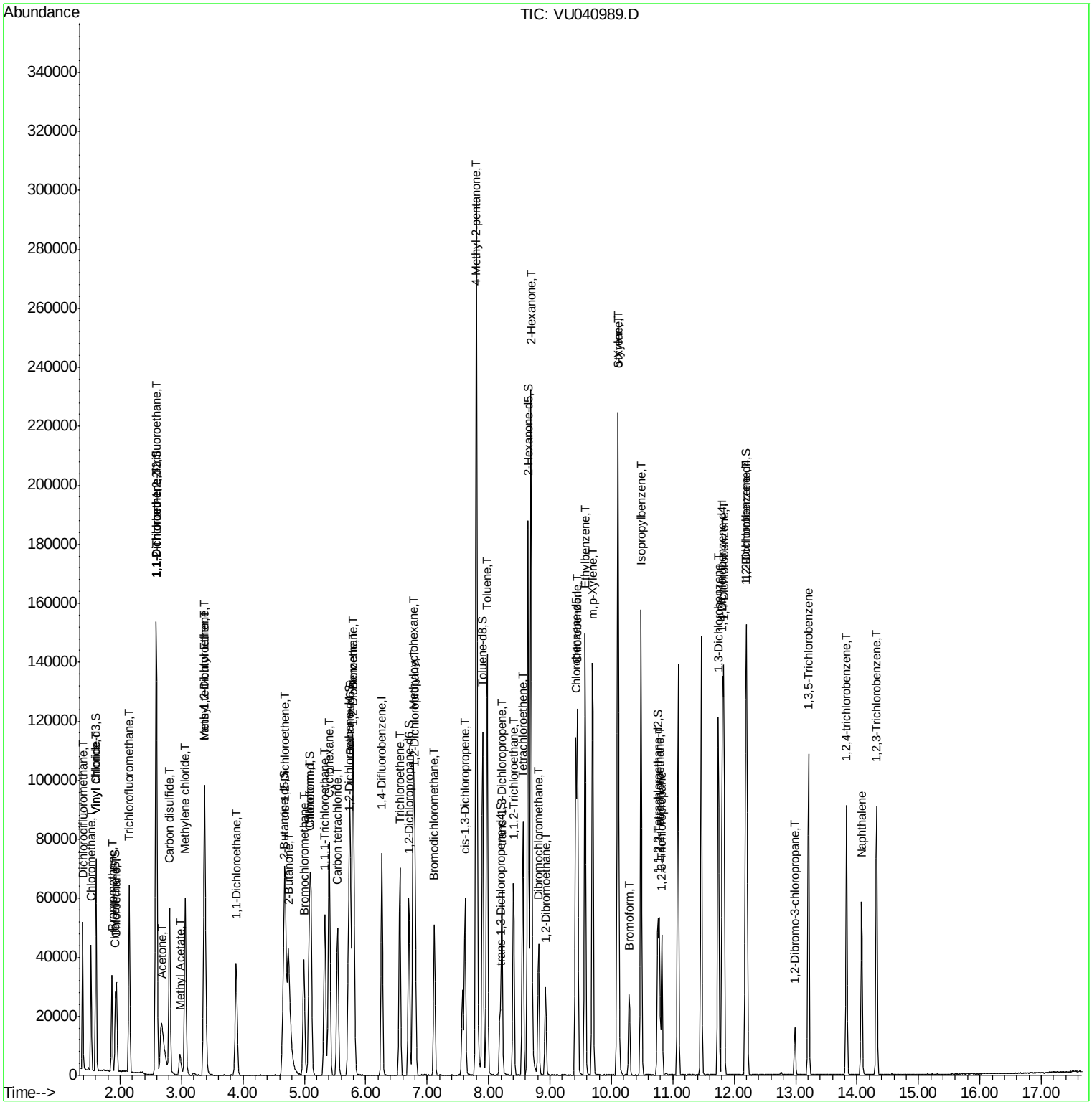
(#) = qualifier out of range (m) = manual integration (+) = signals summed

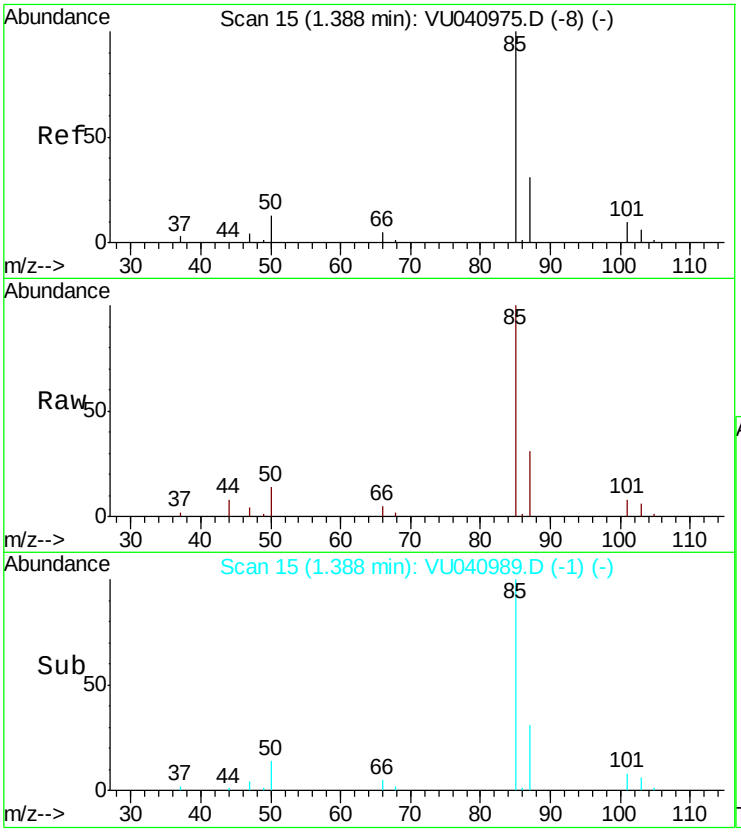
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102720\
Data File : VU040989.D
Acq On : 27 Oct 2020 17:21
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD00529

Quant Time: Oct 28 02:27:08 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 28 02:17:39 2020
Response via : Initial Calibration



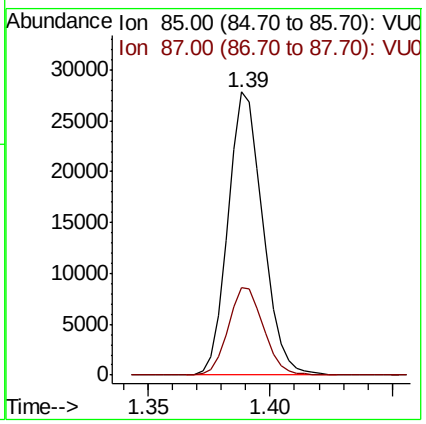


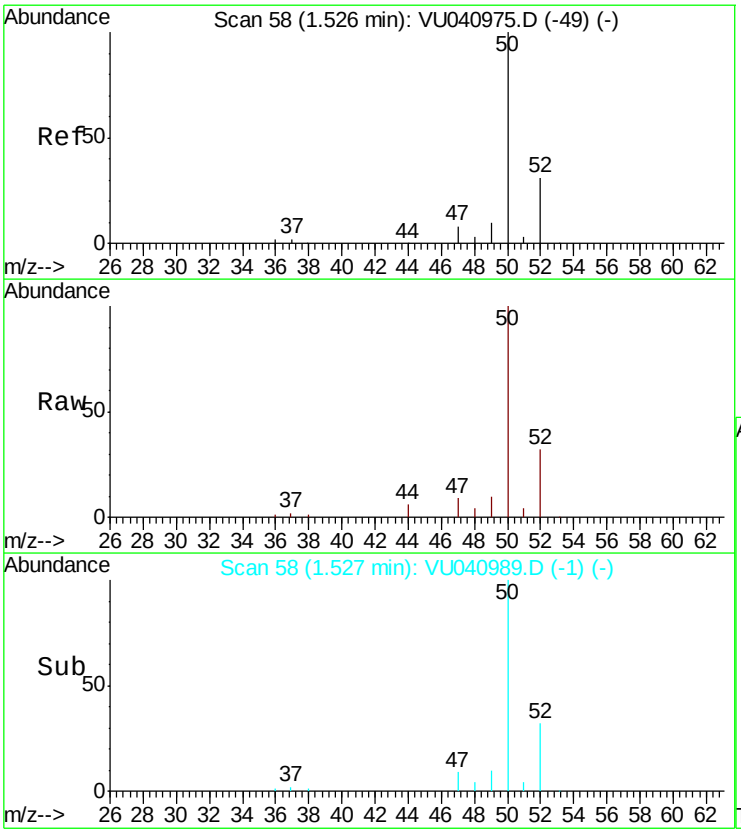

#2
Dichlorodifluoromethane
Concen: 5.414 ug/L
RT: 1.39 min Scan# 15
Delta R.T. 0.00 min
Lab File: VU040989.D
Acq: 27 Oct 2020 17:21

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD00529

Tgt Ion: 85 Resp: 27706

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 31.1 | 25.8 | 38.8 |

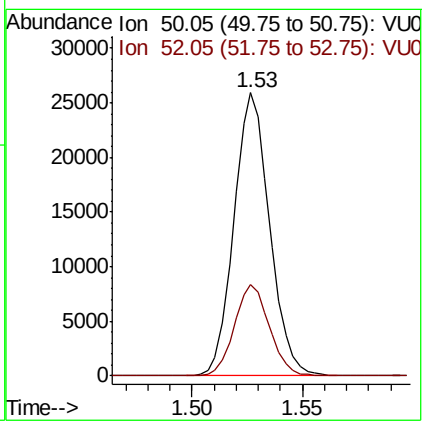


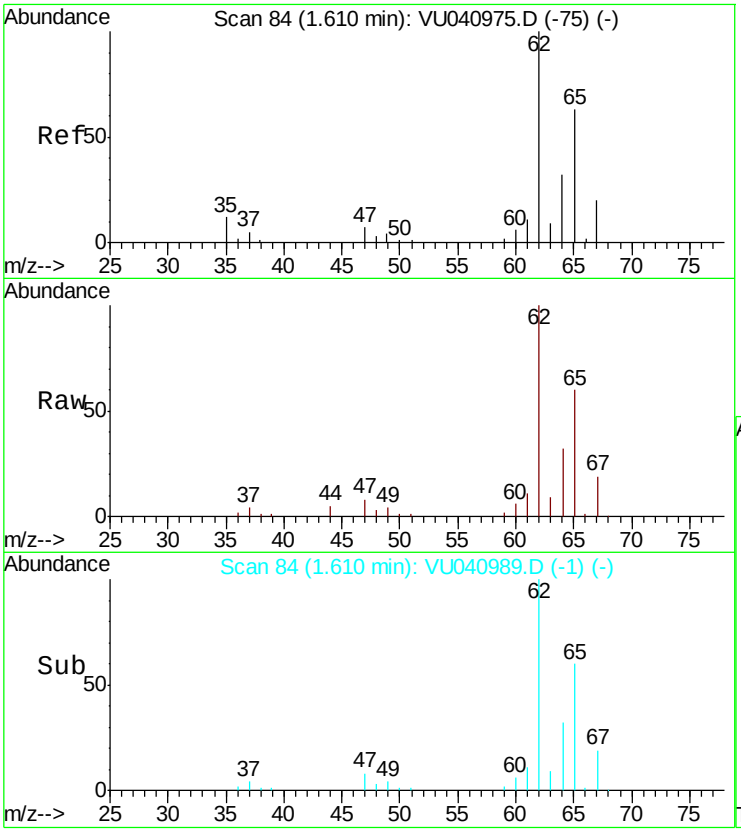




#3
Chloromethane
Concen: 5.466 ug/L
RT: 1.53 min Scan# 58
Delta R.T. 0.00 min
Lab File: VU040989.D
Acq: 27 Oct 2020 17:21

Tgt Ion: 50 Resp: 29167

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.3 | 22.4 | 41.6 |



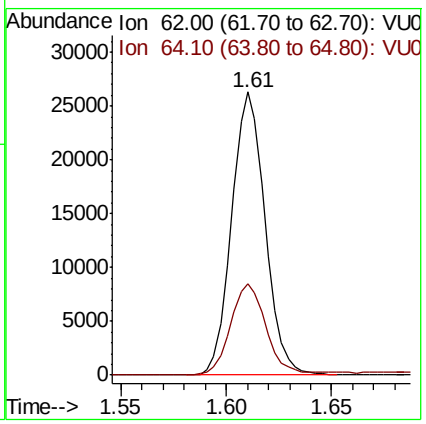


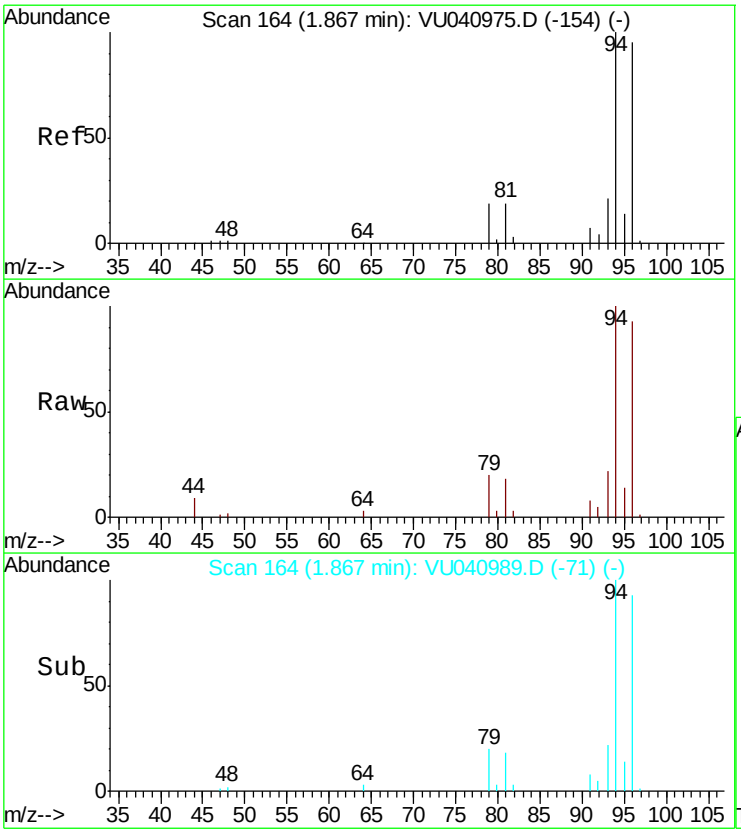

#5
Vinyl chloride
Concen: 5.464 ug/L
RT: 1.61 min Scan# 84
Delta R.T. 0.00 min
Lab File: VU040989.D
Acq: 27 Oct 2020 17:21

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD00529

Tgt Ion: 62 Resp: 28762

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.4 | 22.7 | 42.3 |

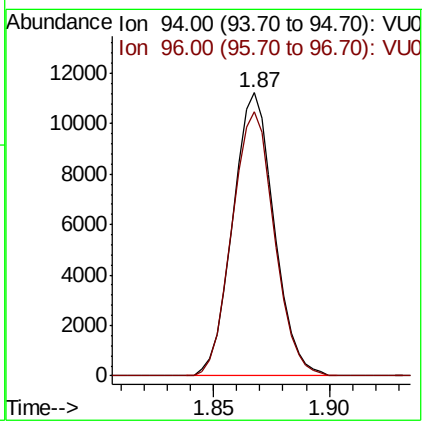


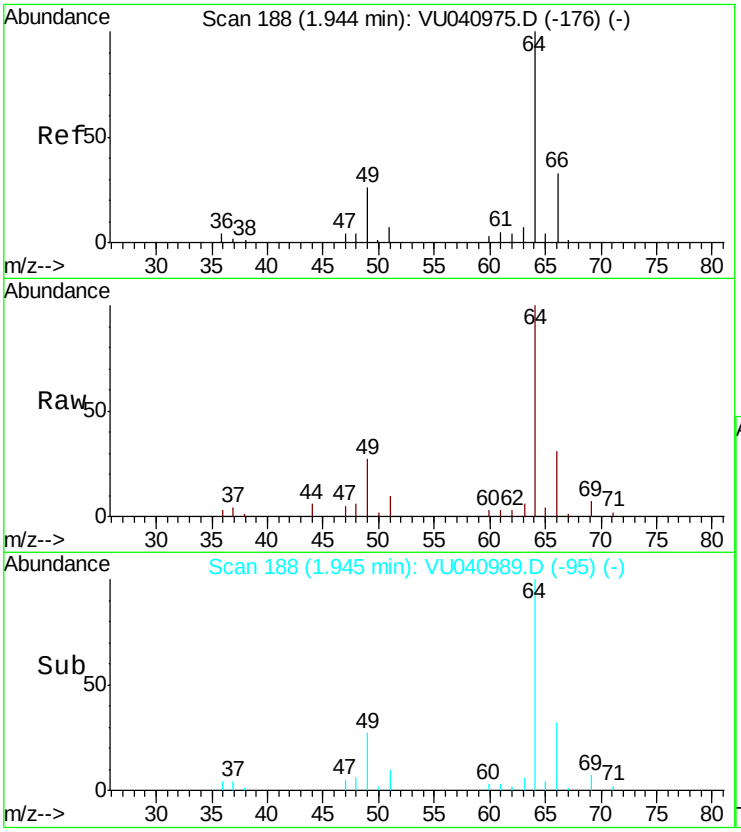




#6
Bromomethane
Concen: 4.602 ug/L
RT: 1.87 min Scan# 164
Delta R.T. 0.00 min
Lab File: VU040989.D
Acq: 27 Oct 2020 17:21

Tgt Ion: 94 Resp: 13887

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 93.4 | 63.5 | 117.9 |



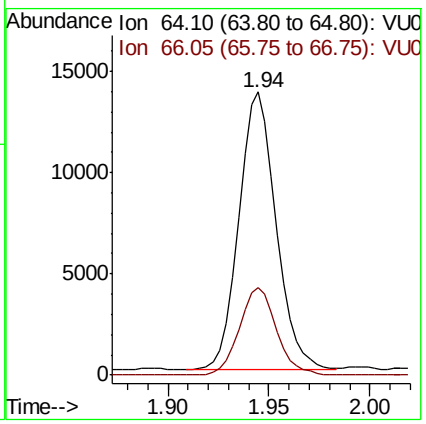


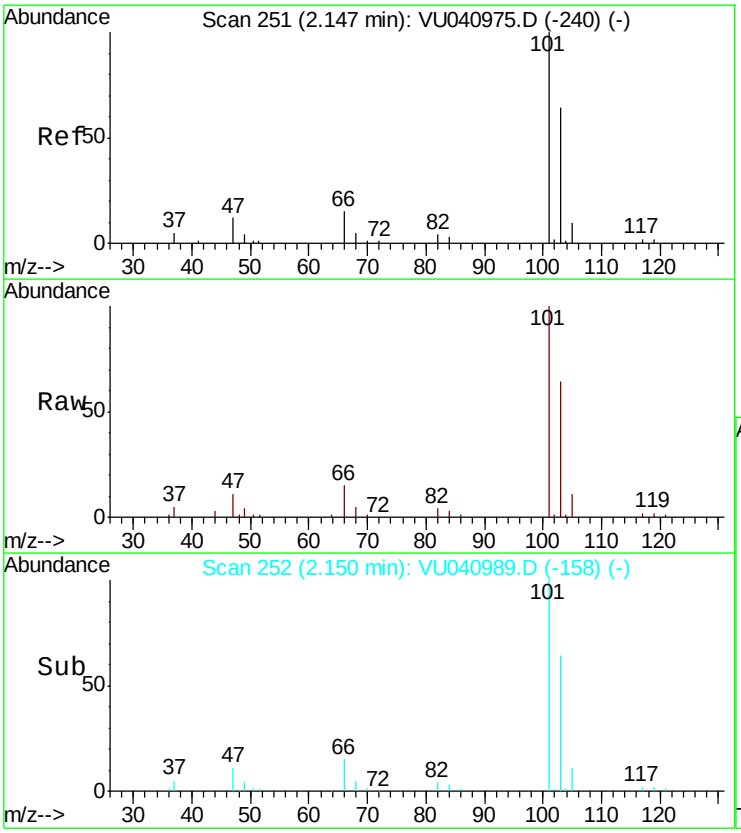

#8
Chloroethane
Concen: 5.311 ug/L
RT: 1.94 min Scan# 188
Delta R.T. 0.00 min
Lab File: VU040989.D
Acq: 27 Oct 2020 17:21

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD00529

Tgt Ion: 64 Resp: 17716

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 31.1 | 22.3 | 41.5 |

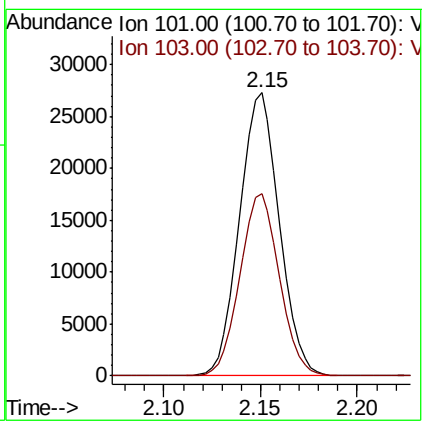


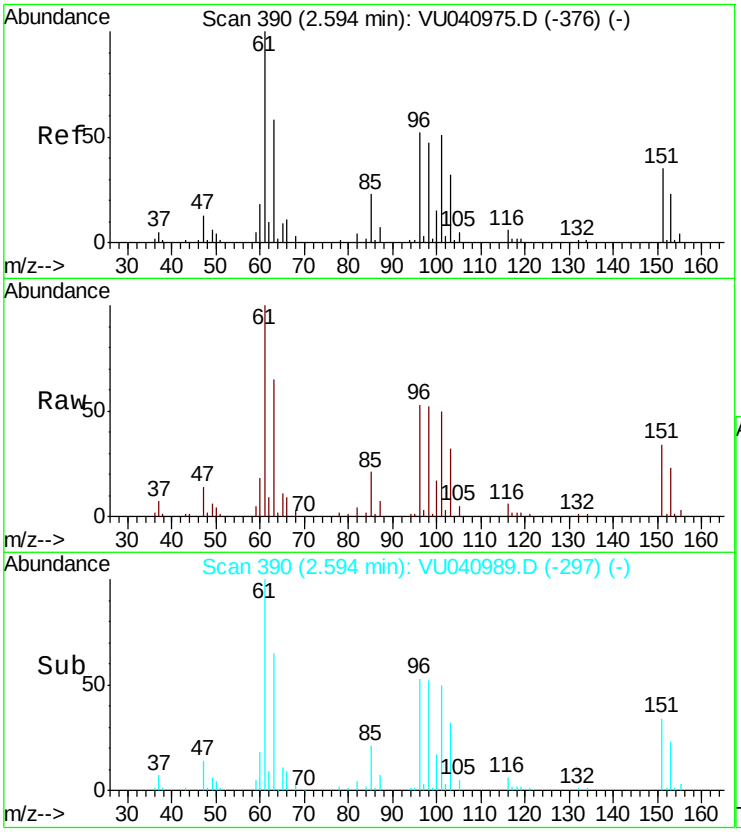




#9
Trichlorofluoromethane
Concen: 5.463 ug/L
RT: 2.15 min Scan# 252
Delta R.T. 0.00 min
Lab File: VU040989.D
Acq: 27 Oct 2020 17:21

Tgt Ion:101 Resp: 39092

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 63.6 | 51.0 | 76.4 |



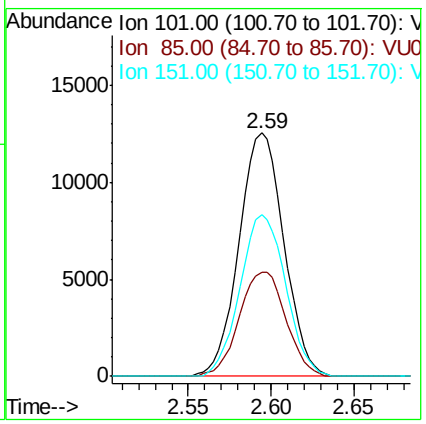


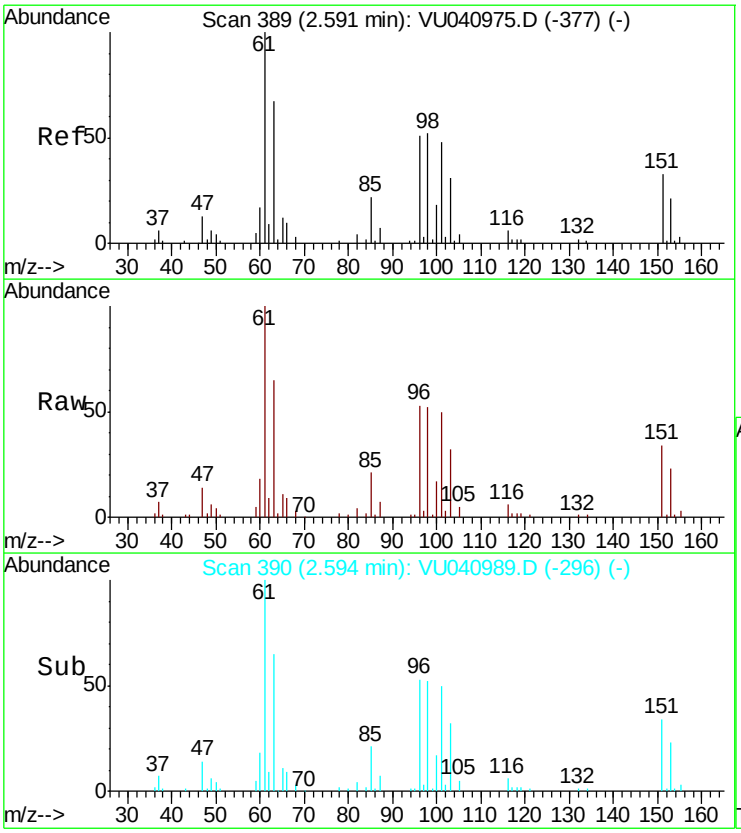

#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.635 ug/L
RT: 2.59 min Scan# 390
Delta R.T. 0.00 min
Lab File: VU040989.D
Acq: 27 Oct 2020 17:21

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD00529

Tgt Ion:101 Resp: 23629

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 44.3 | 35.0 | 52.4 |
| 151 | 67.3 | 55.3 | 82.9 |

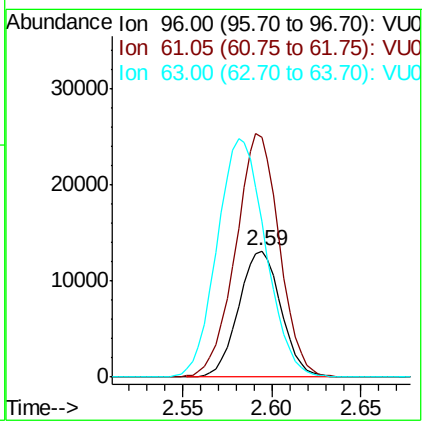


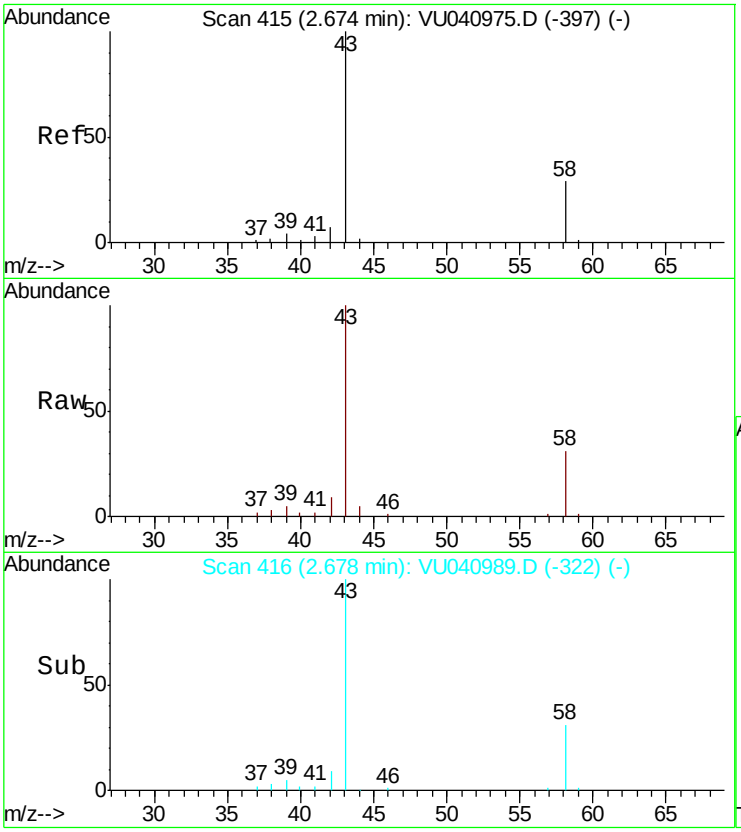




#12
1,1-Dichloroethene
Concen: 5.477 ug/L
RT: 2.59 min Scan# 390
Delta R.T. 0.00 min
Lab File: VU040989.D
Acq: 27 Oct 2020 17:21

Tgt Ion: 96 Resp: 21688

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 189.7 | 134.3 | 249.5 |
| 63 | 122.7 | 95.0 | 176.4 |



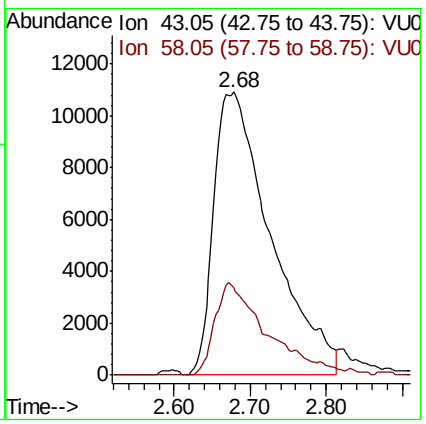


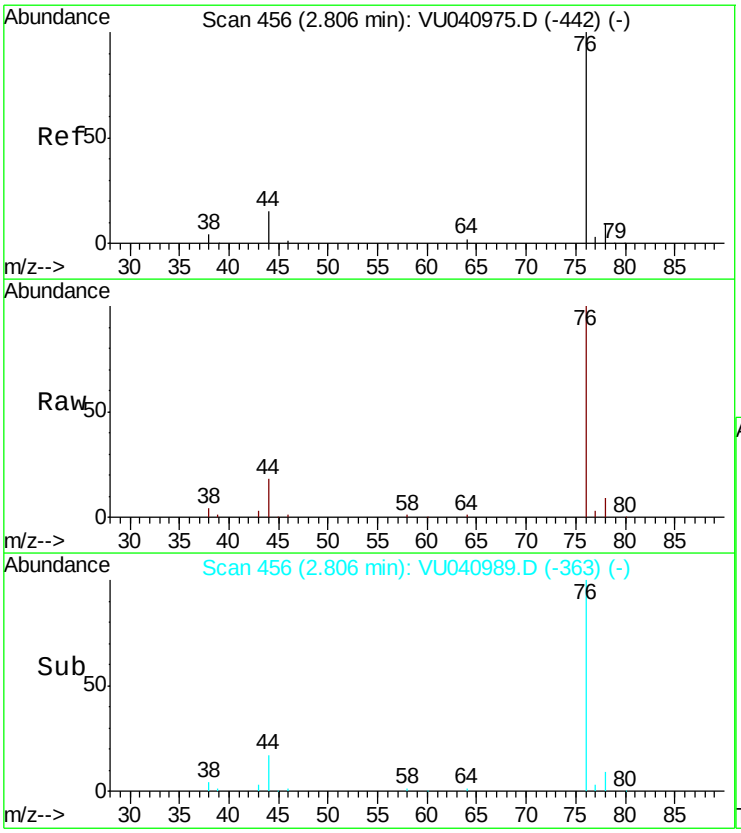

#13
Acetone
Concen: 53.742 ug/L
RT: 2.68 min Scan# 416
Delta R.T. 0.00 min
Lab File: VU040989.D
Acq: 27 Oct 2020 17:21

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD00529

Tgt Ion: 43 Resp: 56980

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 26.0 | 0.0 | 25.4# |

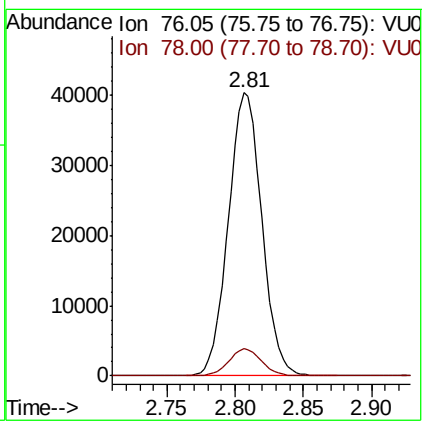


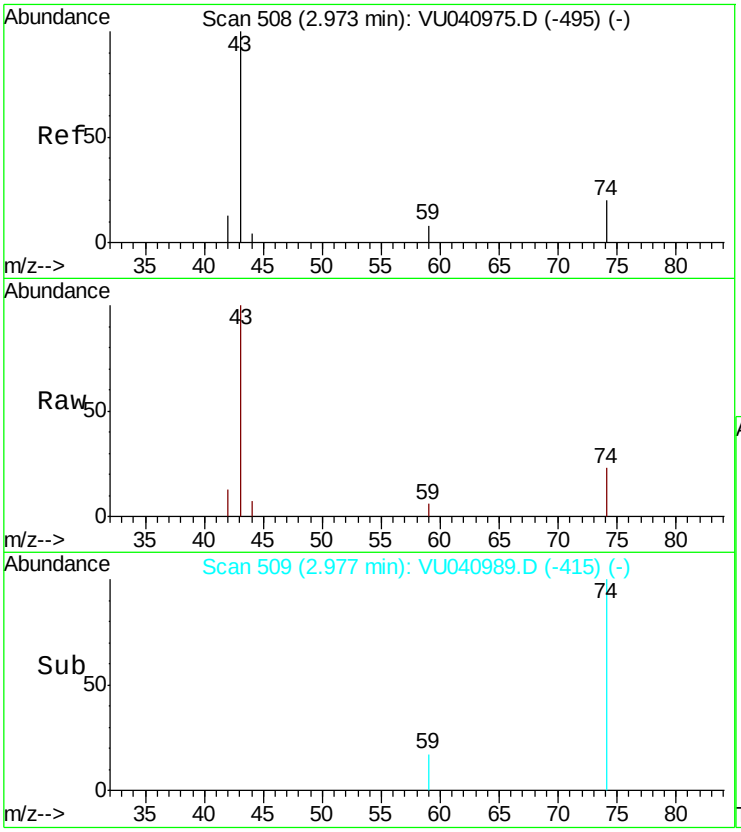




#14
Carbon disulfide
Concen: 5.196 ug/L
RT: 2.81 min Scan# 456
Delta R.T. 0.00 min
Lab File: VU040989.D
Acq: 27 Oct 2020 17:21

Tgt Ion: 76 Resp: 68751

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.5 | 7.5 | 11.3 |



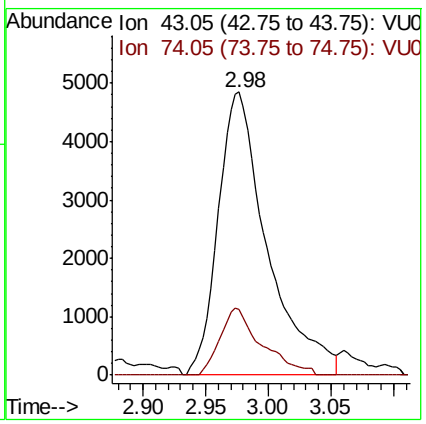


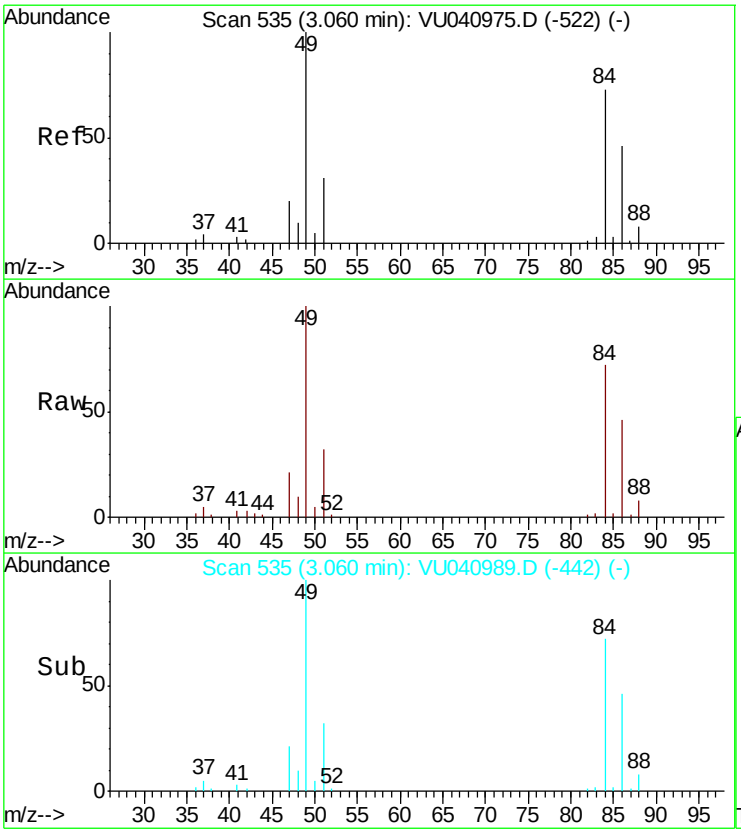

#15
Methyl Acetate
Concen: 5.425 ug/L
RT: 2.98 min Scan# 509
Delta R.T. 0.00 min
Lab File: VU040989.D
Acq: 27 Oct 2020 17:21

**Instrument :** MSVOA_U
**ClientSampleId :** VSTD00529

Tgt Ion: 43 Resp: 13161

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 20.2 | 18.3 | 27.5 |

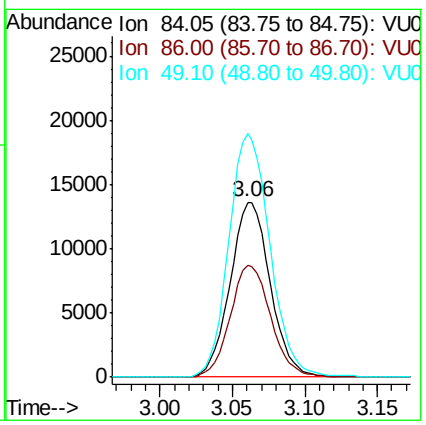


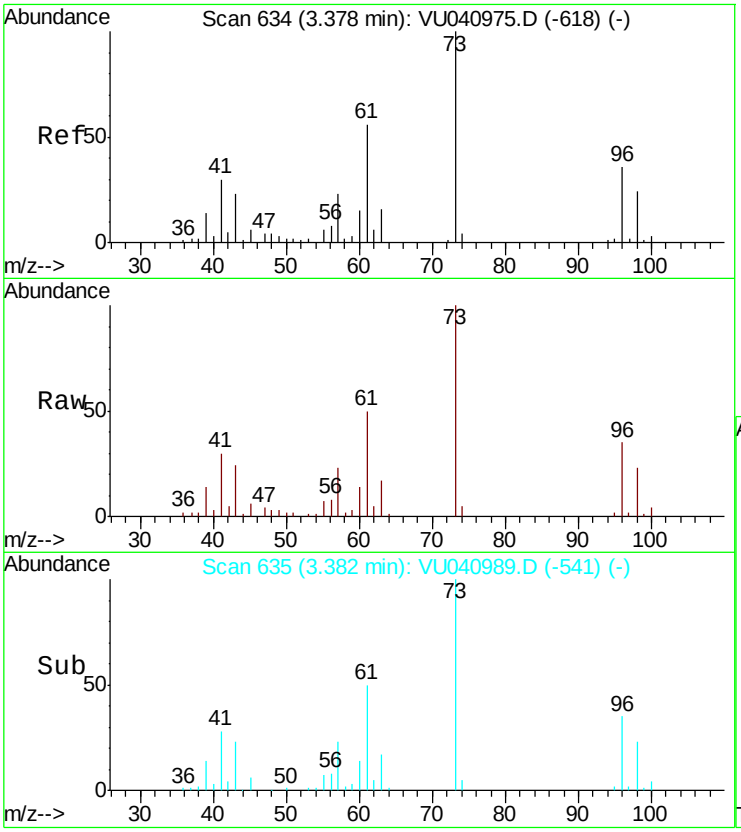




#16
Methylene chloride
Concen: 5.666 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU040989.D
Acq: 27 Oct 2020 17:21

Tgt Ion: 84 Resp: 26139

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 64.0 | 42.8 | 79.6 |
| 49 | 139.3 | 99.5 | 184.7 |



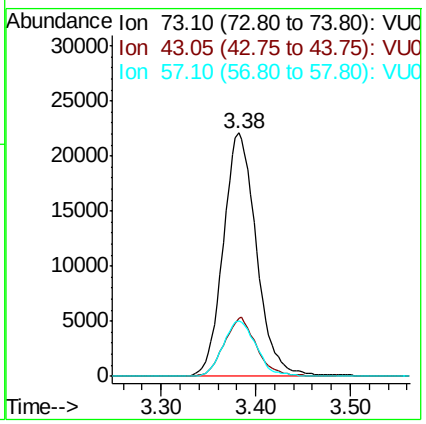


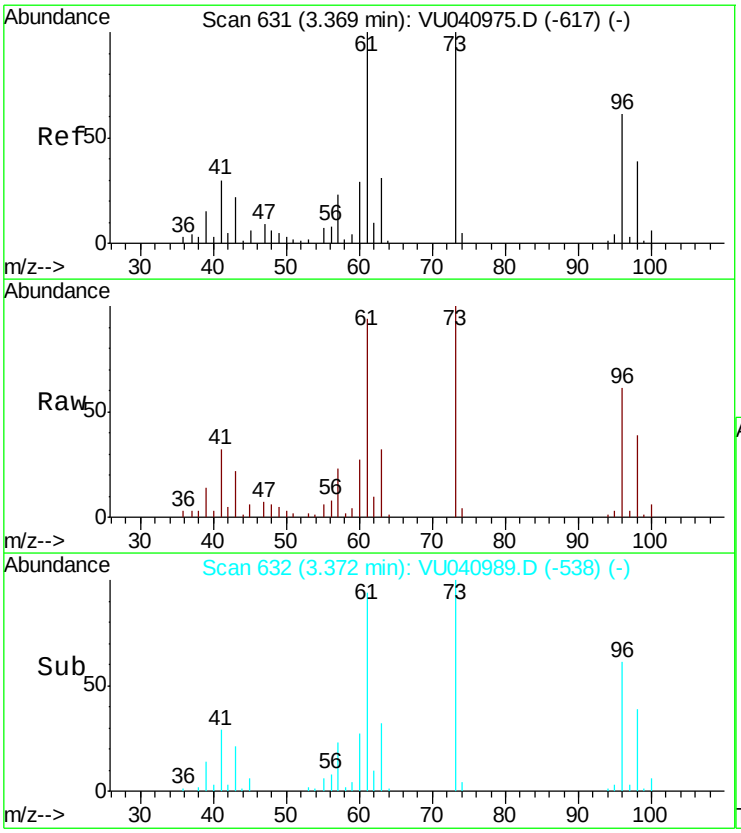

#17
Methyl tert-butyl Ether
Concen: 5.274 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU040989.D
Acq: 27 Oct 2020 17:21

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD00529

Tgt Ion: 73 Resp: 53744

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 43 | 23.3 | 18.5 | 27.7 |
| 57 | 22.7 | 18.4 | 27.6 |

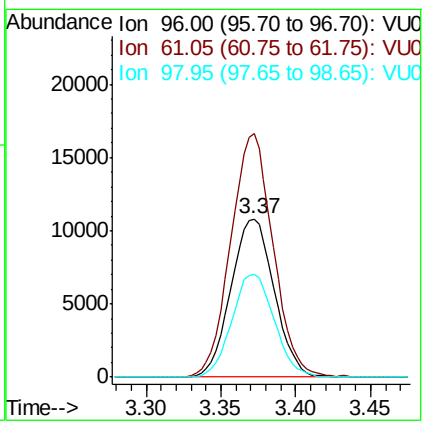


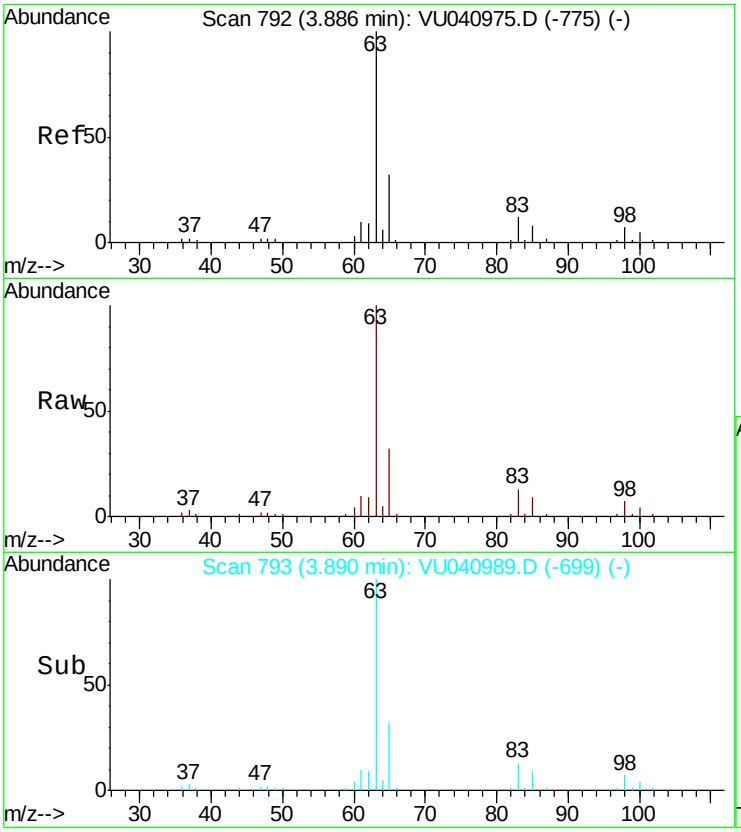




#18
trans-1,2-Dichloroethene
Concen: 5.411 ug/L
RT: 3.37 min Scan# 632
Delta R.T. 0.00 min
Lab File: VU040989.D
Acq: 27 Oct 2020 17:21

Tgt Ion: 96 Resp: 21772

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 153.7 | 110.9 | 205.9 |
| 98 | 64.6 | 45.4 | 84.2 |



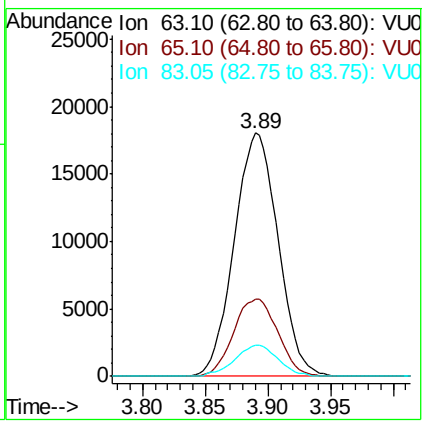


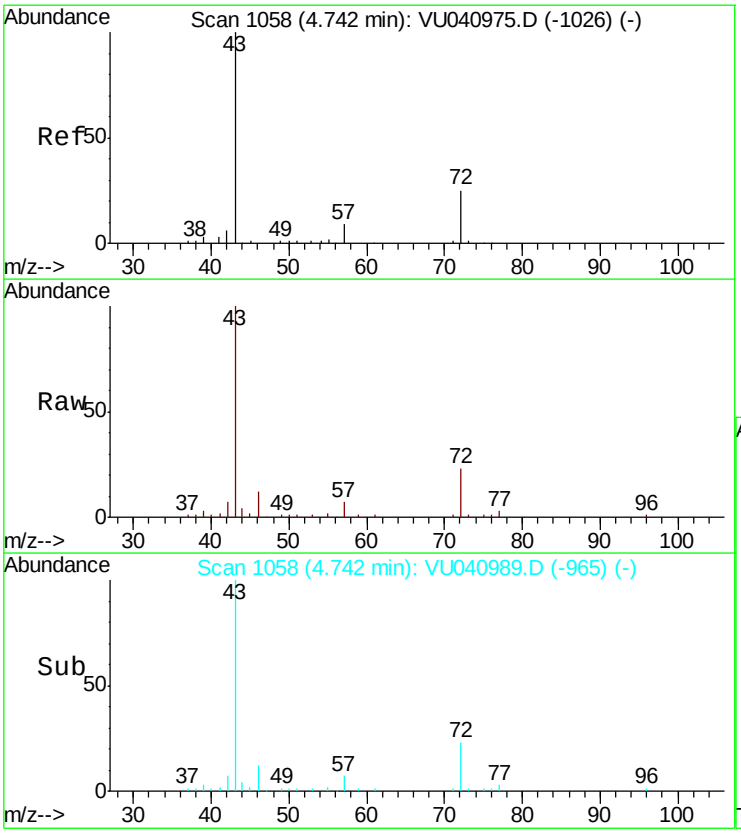

#19
1,1-Dichloroethane
Concen: 5.442 ug/L
RT: 3.89 min Scan# 793
Delta R.T. 0.00 min
Lab File: VU040989.D
Acq: 27 Oct 2020 17:21

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD00529

Tgt Ion: 63 Resp: 43783

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.5 | 21.3 | 39.6 |
| 83 | 12.8 | 8.8 | 16.3 |

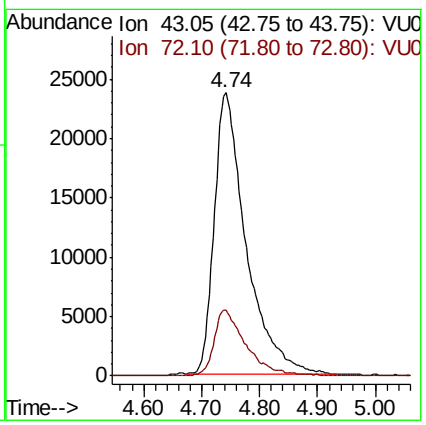


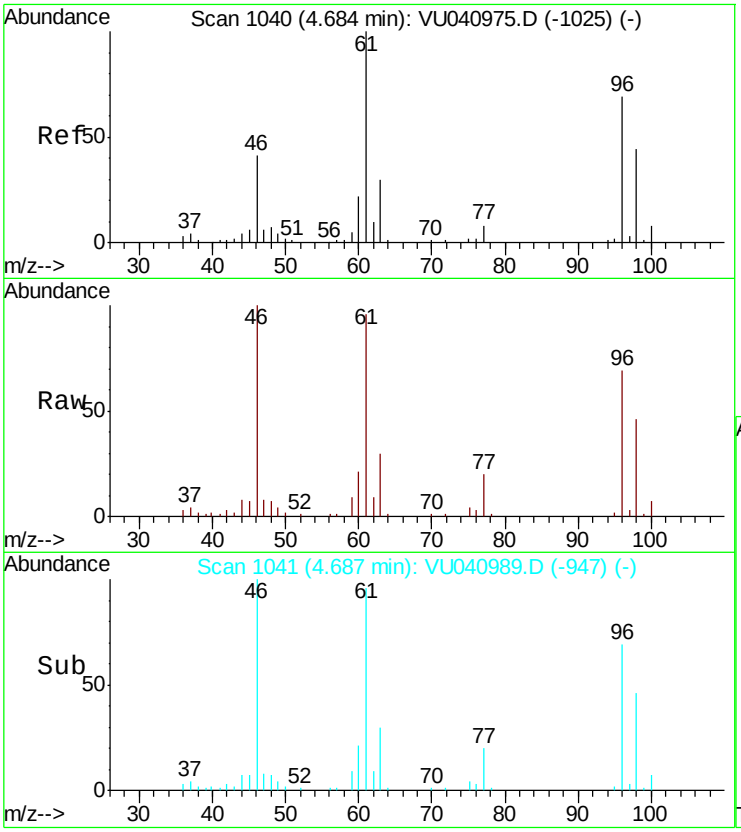




#21
2-Butanone
Concen: 54.627 ug/L
RT: 4.74 min Scan# 1058
Delta R.T. 0.00 min
Lab File: VU040989.D
Acq: 27 Oct 2020 17:21

Tgt Ion: 43 Resp: 90521

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 23.2 | 11.8 | 35.4 |



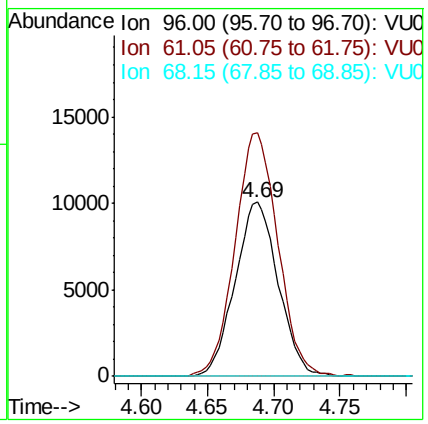


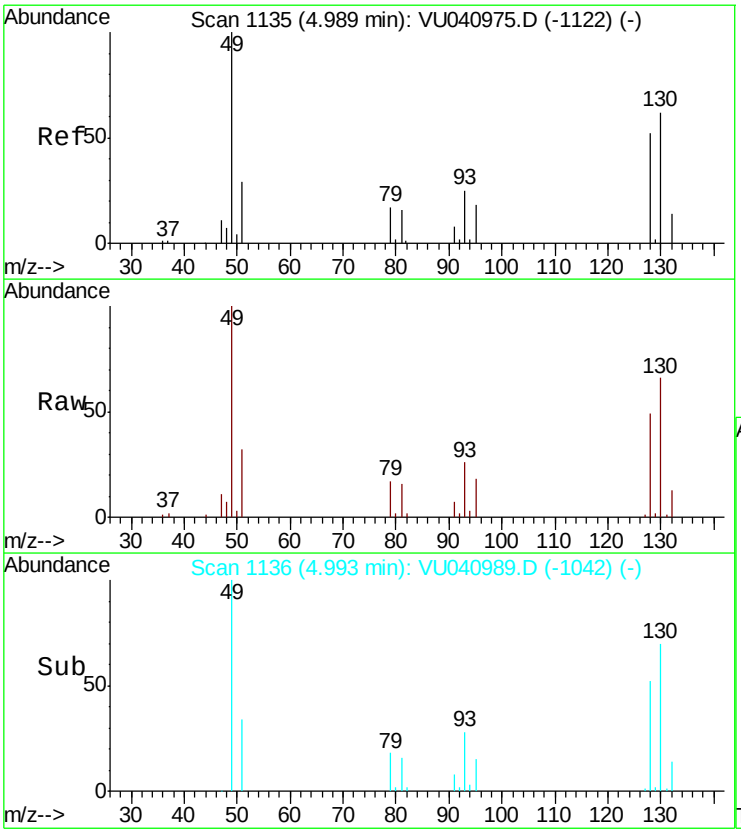

#22
cis-1,2-Dichloroethene
Concen: 5.497 ug/L
RT: 4.69 min Scan# 1041
Delta R.T. 0.00 min
Lab File: VU040989.D
Acq: 27 Oct 2020 17:21

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD00529

Tgt Ion: 96 Resp: 22816

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 139.8 | 97.2 | 180.4 |
| 68 | 0.0 | 0.0 | 0.0 |

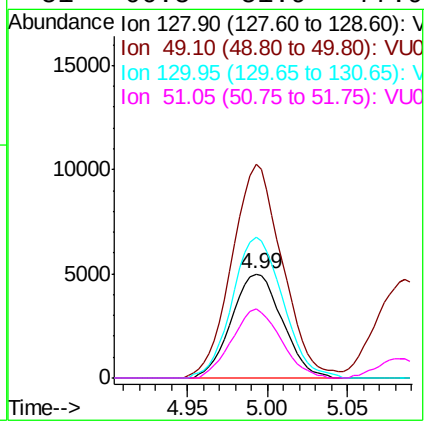


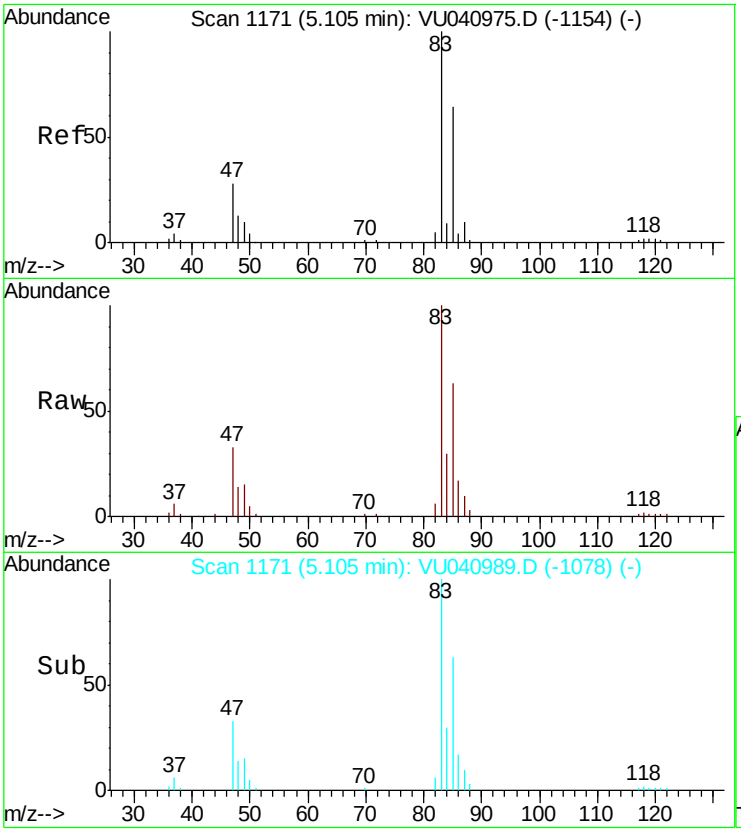




#23
Bromochloromethane
Concen: 5.528 ug/L
RT: 4.99 min Scan# 1136
Delta R.T. 0.00 min
Lab File: VU040989.D
Acq: 27 Oct 2020 17:21

Tgt Ion:128 Resp: 10824

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 49 | 205.4 | 135.0 | 250.8 |
| 130 | 135.5 | 89.9 | 167.0 |
| 51 | 66.5 | 51.9 | 77.9 |



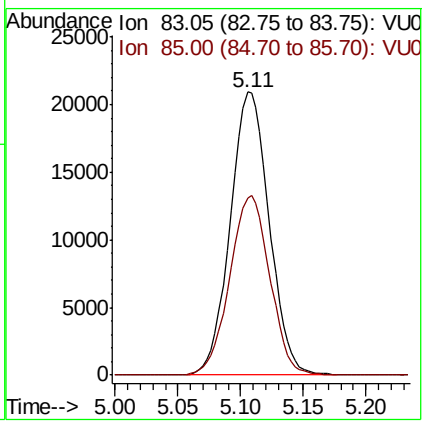


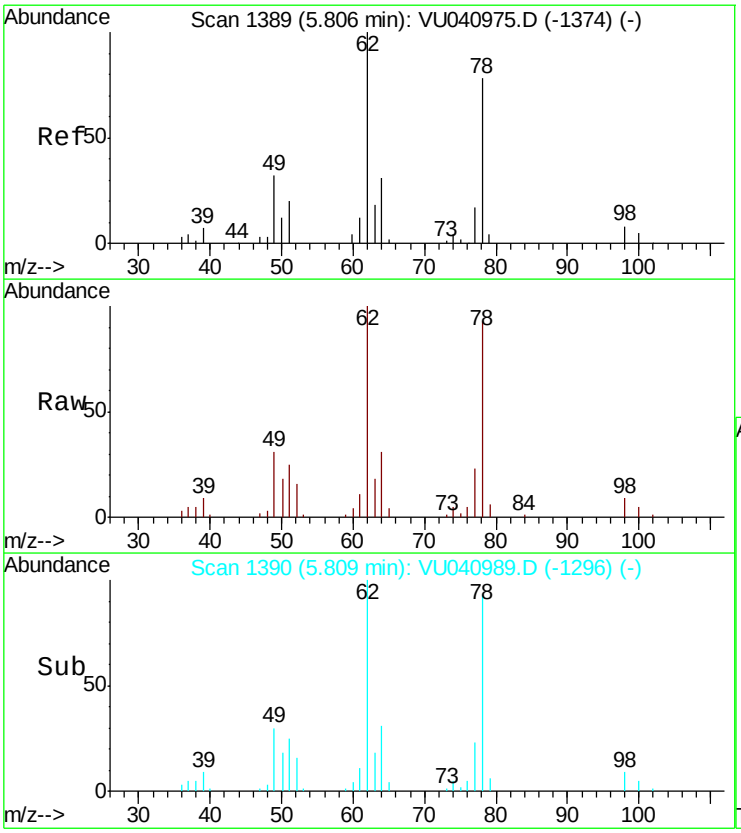

#25
Chloroform
Concen: 5.599 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU040989.D
Acq: 27 Oct 2020 17:21

**Instrument :** MSVOA_U
**ClientSampleId :** VSTD00529

Tgt Ion: 83 Resp: 45169

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.7 | 46.1 | 85.7 |

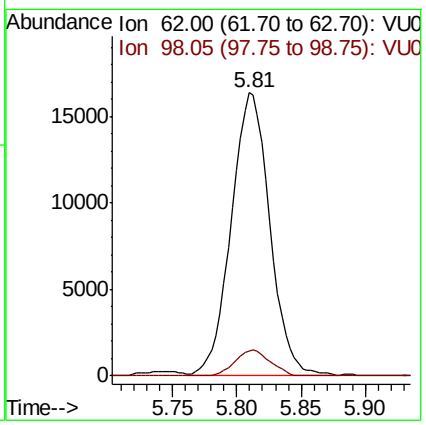


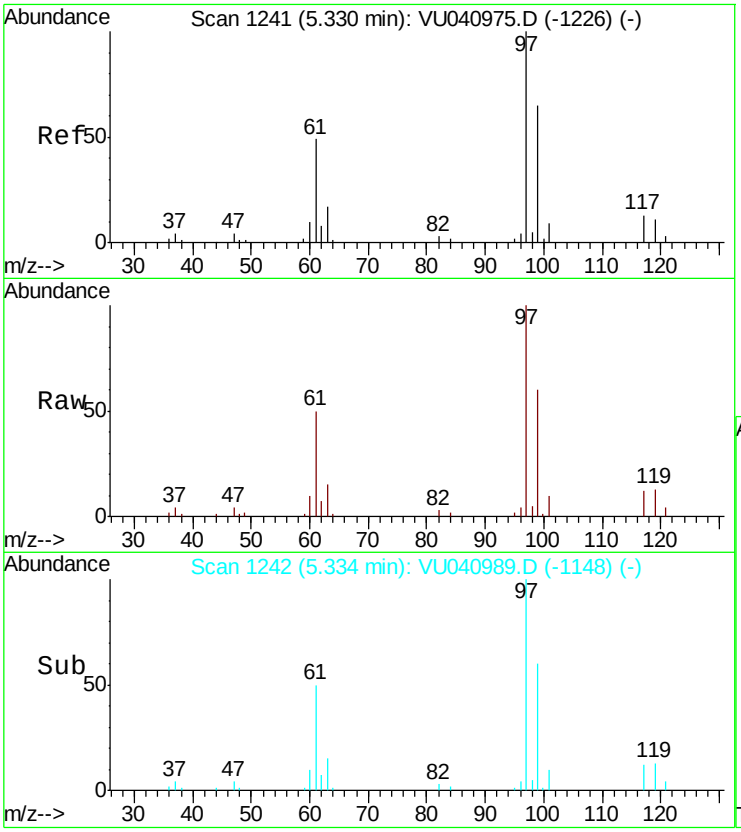




#27
1,2-Dichloroethane
Concen: 5.695 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU040989.D
Acq: 27 Oct 2020 17:21

Tgt Ion: 62 Resp: 34220

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.9 | 7.6 | 11.4 |



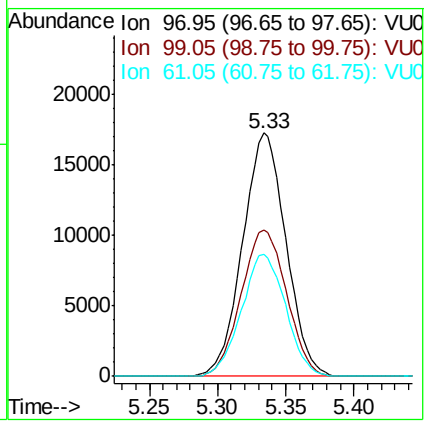


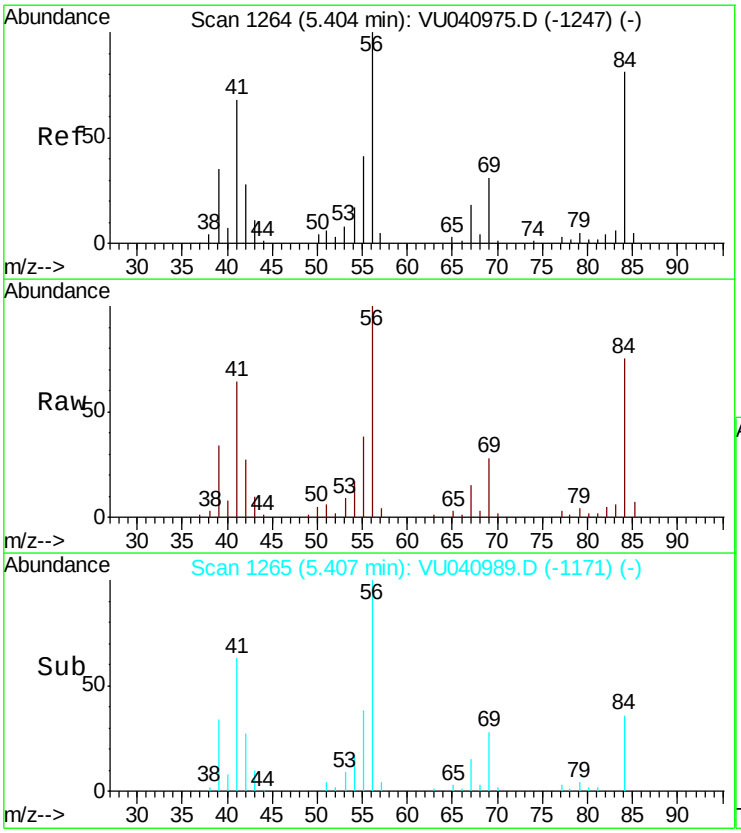

#29
1,1,1-Trichloroethane
Concen: 5.485 ug/L
RT: 5.33 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VU040989.D
Acq: 27 Oct 2020 17:21

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD00529

Tgt Ion: 97 Resp: 38086

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 62.7 | 53.4 | 80.0 |
| 61 | 51.2 | 41.6 | 62.4 |

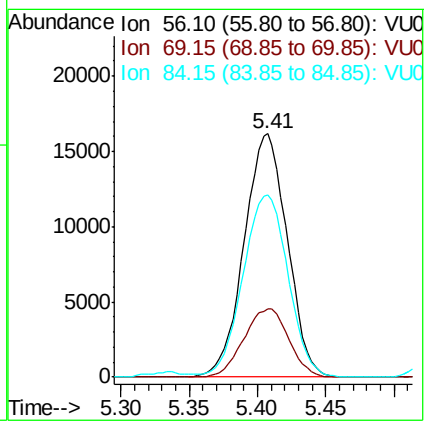


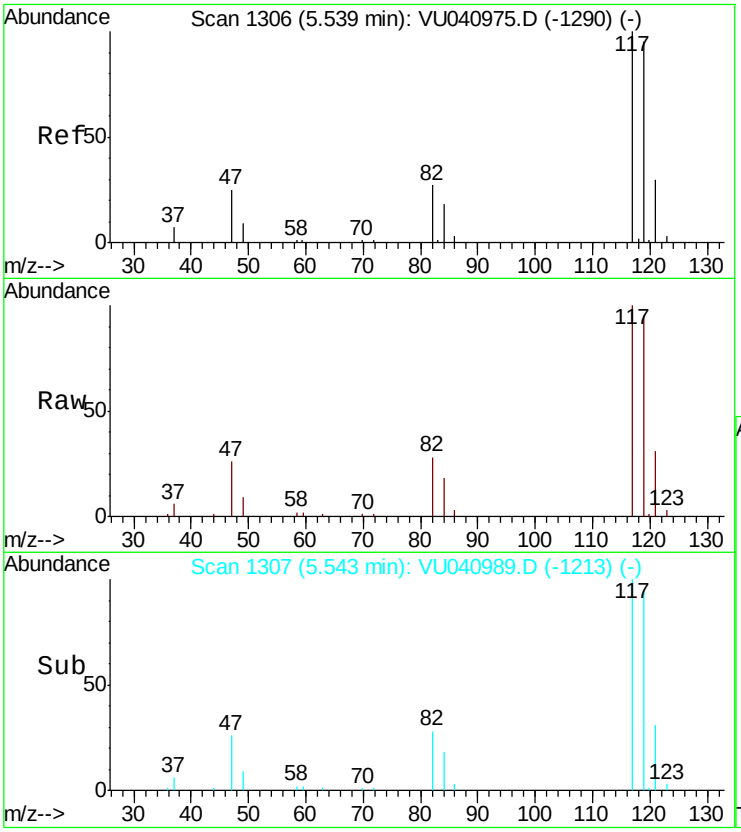




#30
Cyclohexane
Concen: 5.187 ug/L
RT: 5.41 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VU040989.D
Acq: 27 Oct 2020 17:21

Tgt Ion: 56 Resp: 35487

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 29.2 | 22.8 | 34.2 |
| 84 | 78.5 | 63.6 | 95.4 |



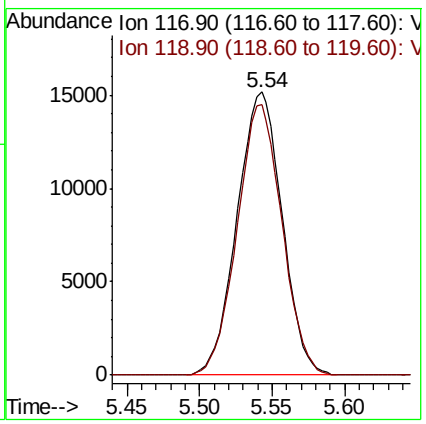


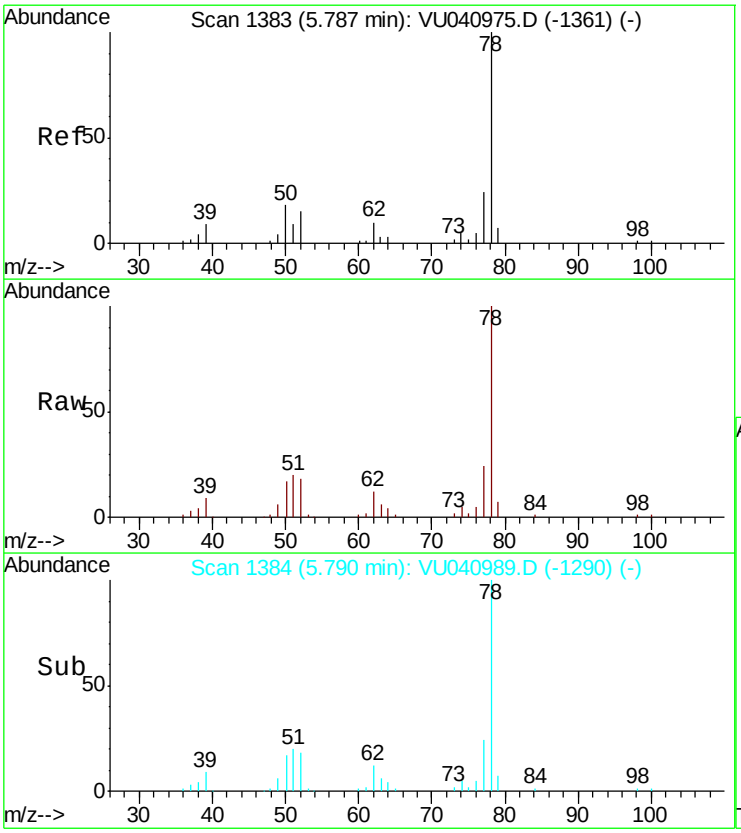

#31
Carbon tetrachloride
Concen: 5.327 ug/L
RT: 5.54 min Scan# 1307
Delta R.T. 0.00 min
Lab File: VU040989.D
Acq: 27 Oct 2020 17:21

**Instrument :** MSVOA_U
**ClientSampleId :** VSTD00529

Tgt Ion:117 Resp: 32750

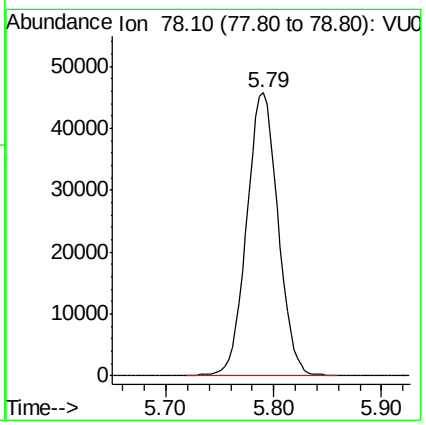
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.1 | 76.1 | 114.1 |

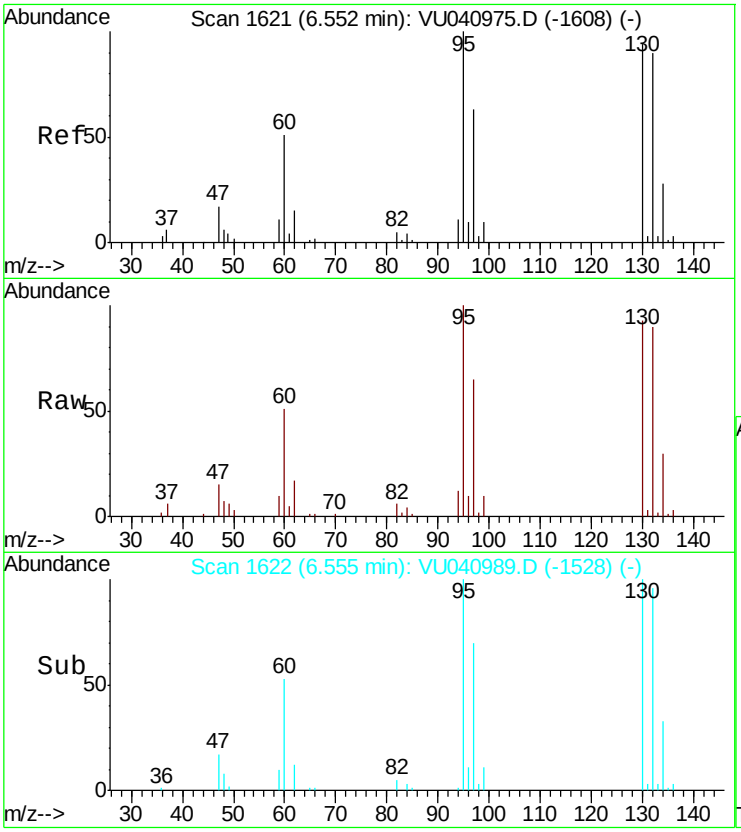



#33
Benzene
Concen: 5.459 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU040989.D
Acq: 27 Oct 2020 17:21

Tgt Ion: 78 Resp: 92604



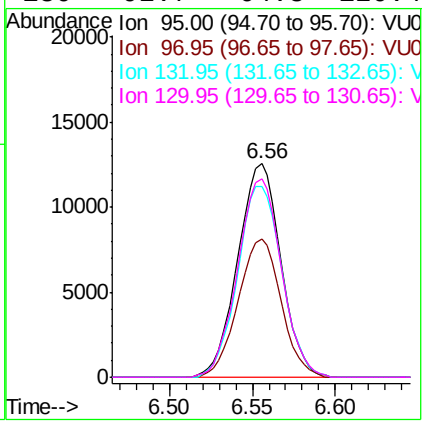


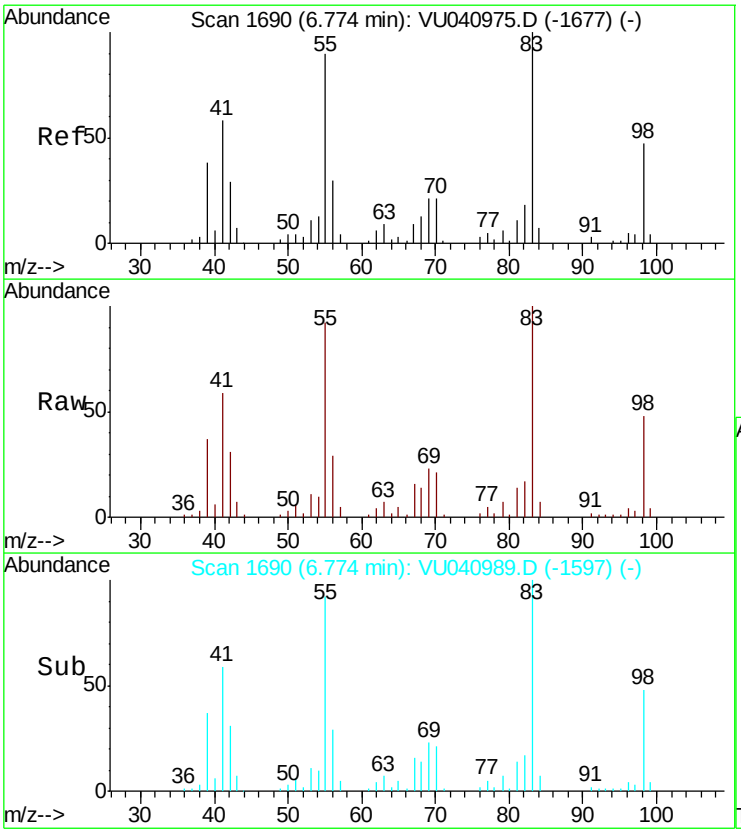

#34
Trichloroethene
Concen: 5.273 ug/L
RT: 6.56 min Scan# 1622
Delta R.T. 0.00 min
Lab File: VU040989.D
Acq: 27 Oct 2020 17:21

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD00529

Tgt Ion: 95 Resp: 22762

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 65.0 | 45.6 | 84.6 |
| 132 | 89.5 | 64.8 | 120.4 |
| 130 | 92.7 | 64.8 | 120.4 |

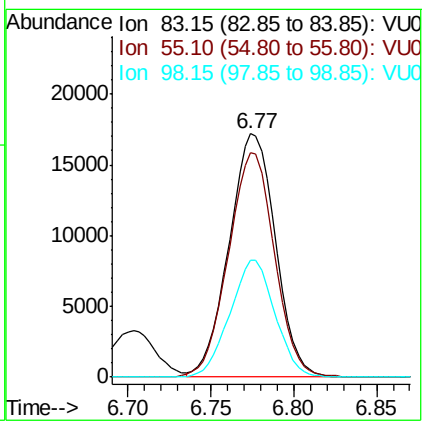


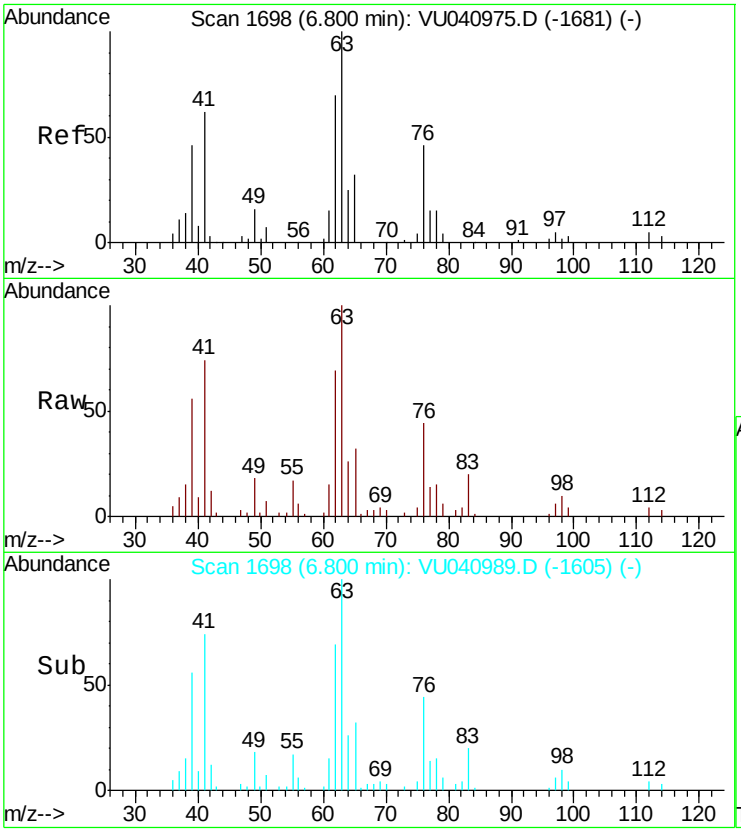




#35
Methylcyclohexane
Concen: 5.205 ug/L
RT: 6.77 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VU040989.D
Acq: 27 Oct 2020 17:21

Tgt Ion: 83 Resp: 33516

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 91.6 | 72.0 | 108.0 |
| 98 | 46.5 | 36.6 | 55.0 |



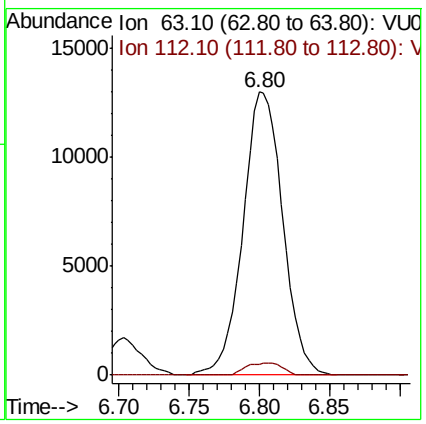


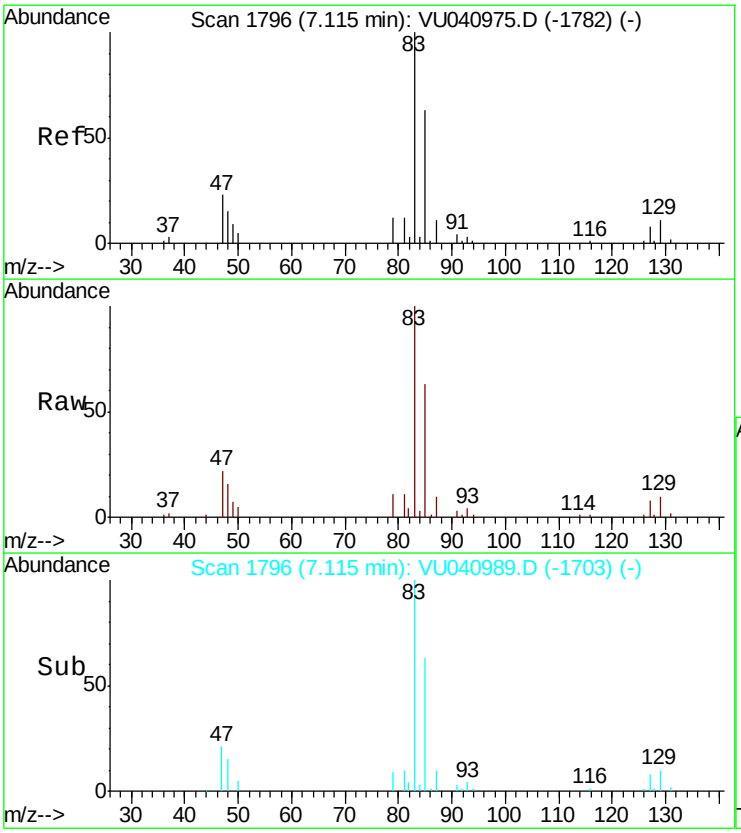

#37
1,2-Dichloropropane
Concen: 5.588 ug/L
RT: 6.80 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VU040989.D
Acq: 27 Oct 2020 17:21

**Instrument :** MSVOA_U
**ClientSampleId :** VSTD00529

Tgt Ion: 63 Resp: 25649

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 3.9 | 3.6 | 5.4 |

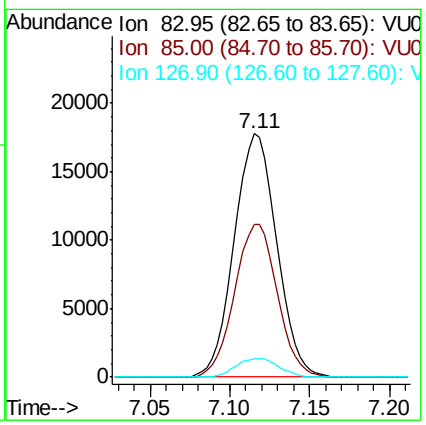


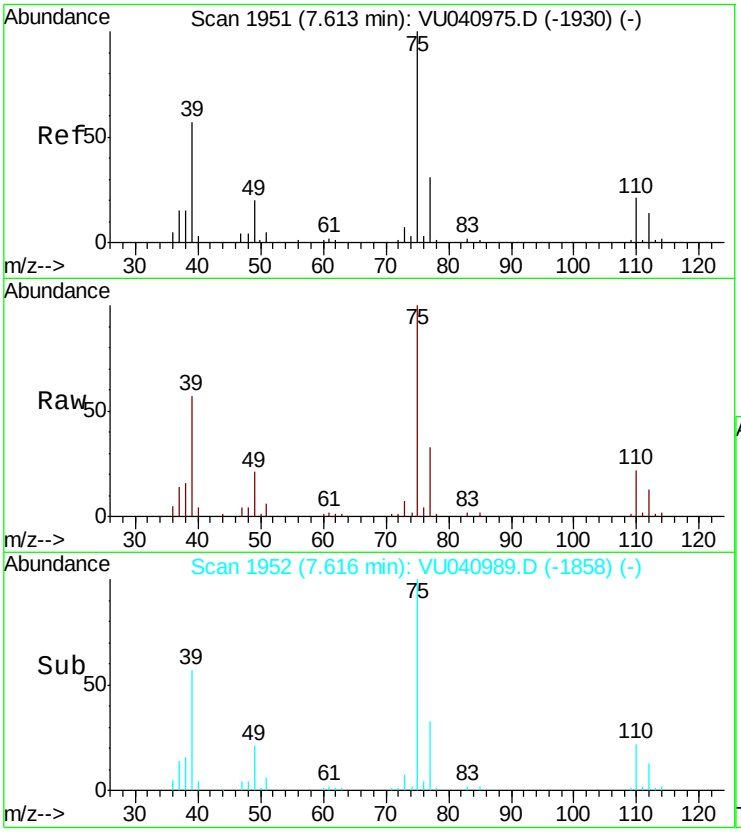




#38
Bromodichloromethane
Concen: 5.414 ug/L
RT: 7.11 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VU040989.D
Acq: 27 Oct 2020 17:21

Tgt Ion: 83 Resp: 32232

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.6 | 43.3 | 80.3 |
| 127 | 7.6 | 5.9 | 8.9 |



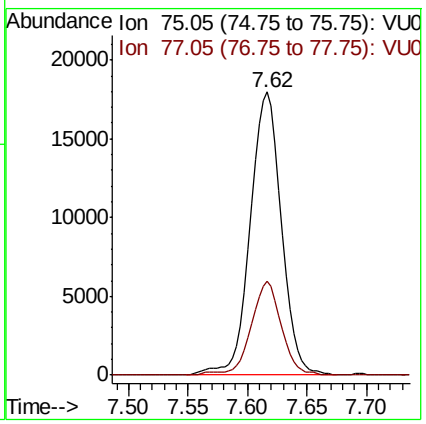


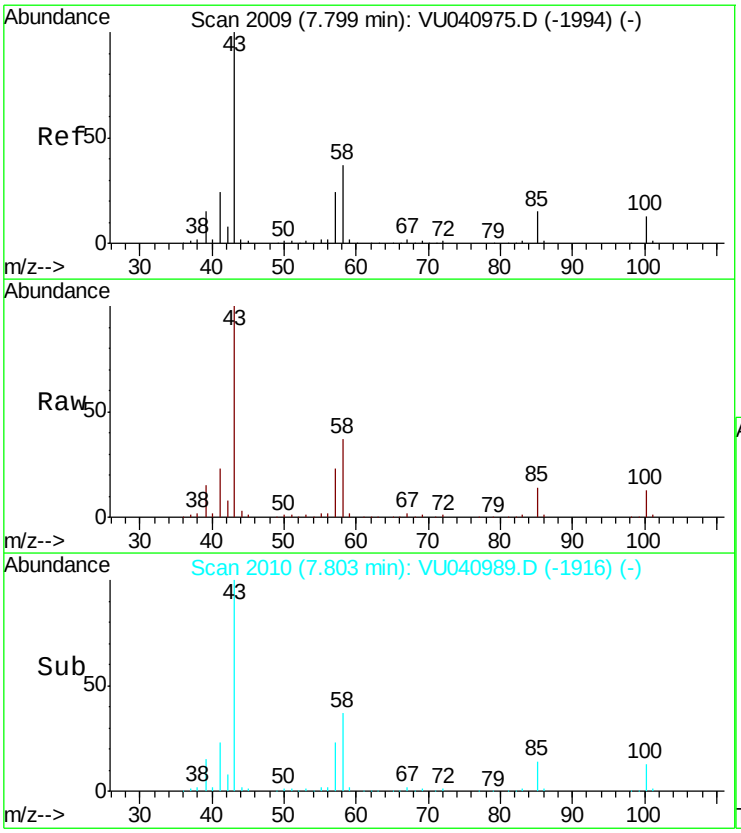

#39
cis-1,3-Dichloropropene
Concen: 5.173 ug/L
RT: 7.62 min Scan# 1952
Delta R.T. 0.00 min
Lab File: VU040989.D
Acq: 27 Oct 2020 17:21

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD00529

Tgt Ion: 75 Resp: 32691

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 33.0 | 22.7 | 42.3 |

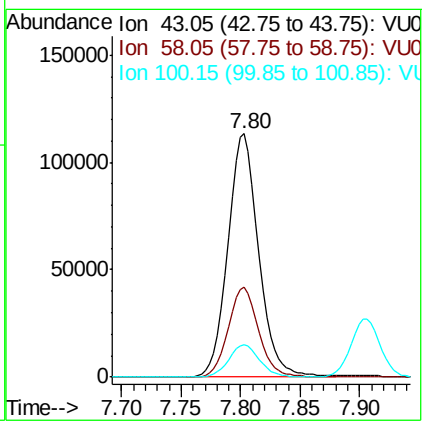


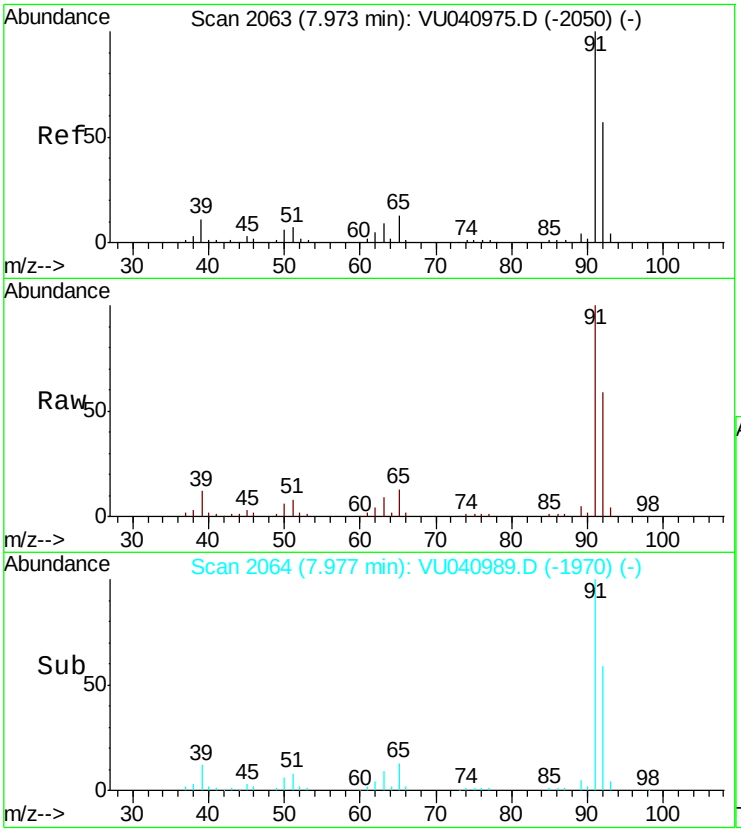




#40
4-Methyl-2-pentanone
Concen: 55.591 ug/L
RT: 7.80 min Scan# 2010
Delta R.T. 0.00 min
Lab File: VU040989.D
Acq: 27 Oct 2020 17:21

Tgt Ion: 43 Resp: 203451

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 36.4 | 29.8 | 44.6 |
| 100 | 13.3 | 10.5 | 15.7 |



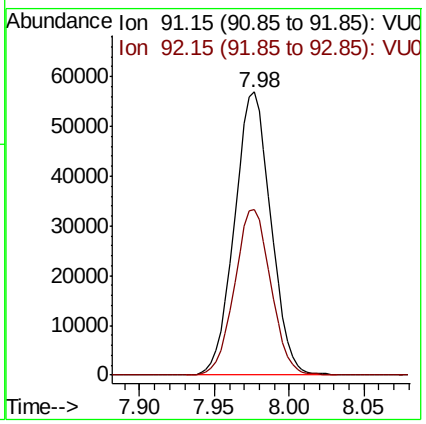


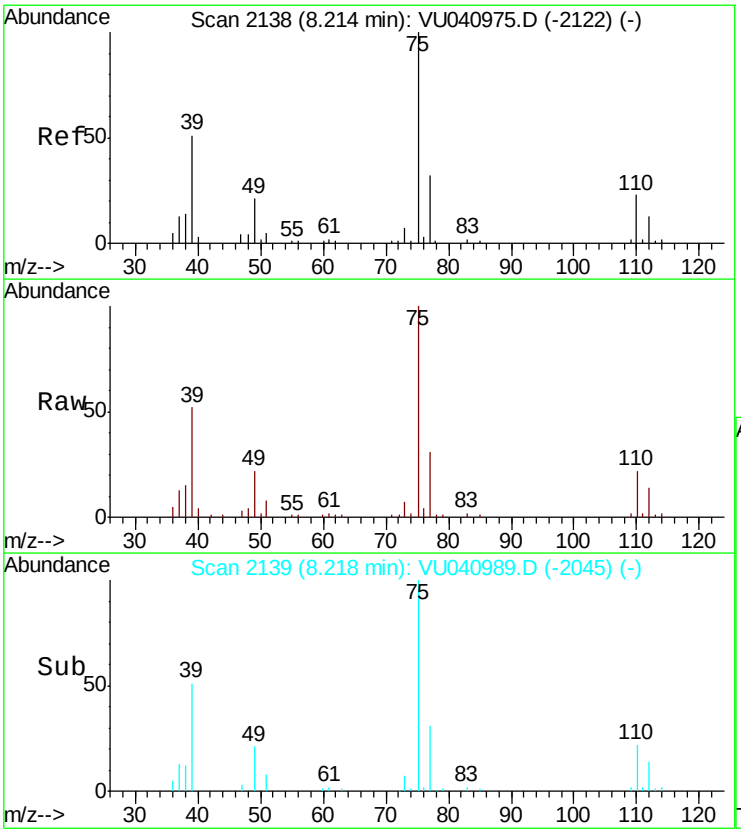

#42
Toluene
Concen: 5.601 ug/L
RT: 7.98 min Scan# 2064
Delta R.T. 0.00 min
Lab File: VU040989.D
Acq: 27 Oct 2020 17:21

**Instrument :** MSVOA_U
**ClientSampleId :** VSTD00529

Tgt Ion: 91 Resp: 96349

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 58.6 | 40.6 | 75.4 |

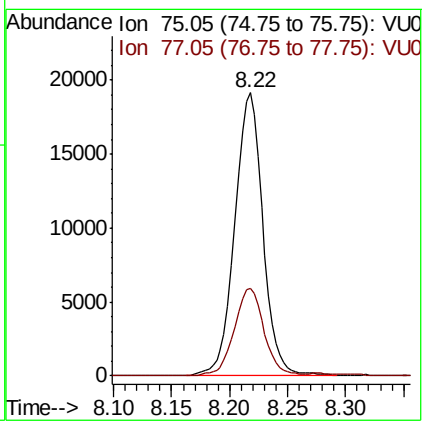


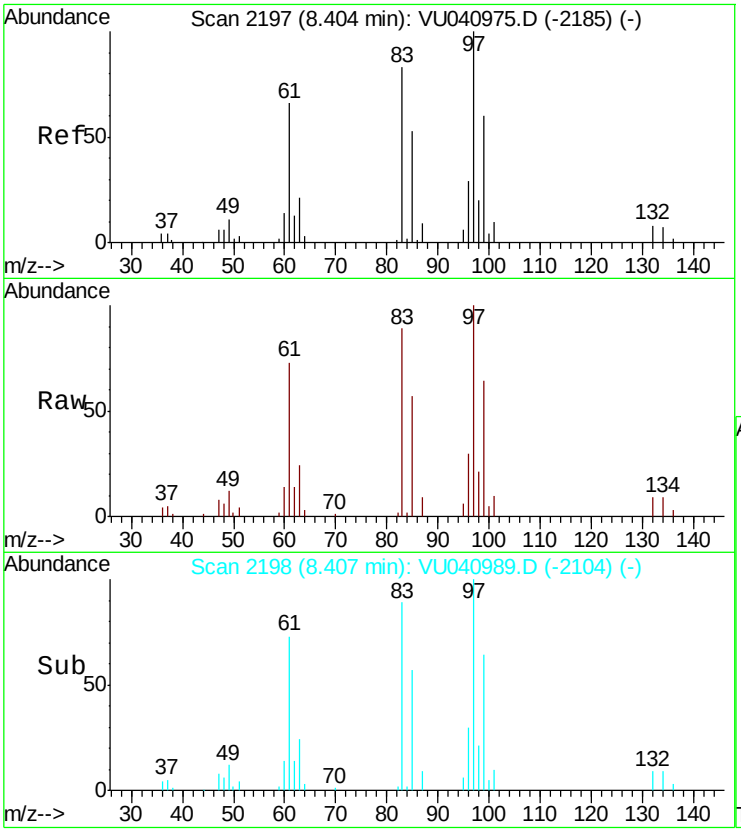




#44
trans-1,3-Dichloropropene
Concen: 5.444 ug/L
RT: 8.22 min Scan# 2139
Delta R.T. 0.00 min
Lab File: VU040989.D
Acq: 27 Oct 2020 17:21

Tgt Ion: 75 Resp: 32199

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.1 | 23.3 | 43.3 |



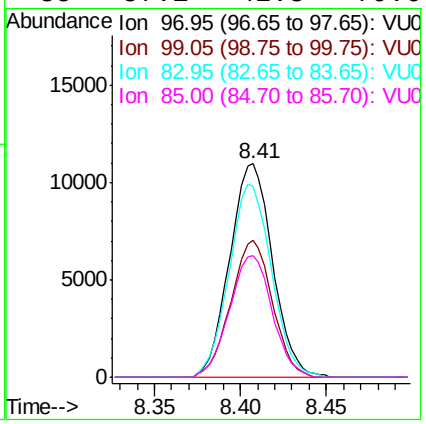


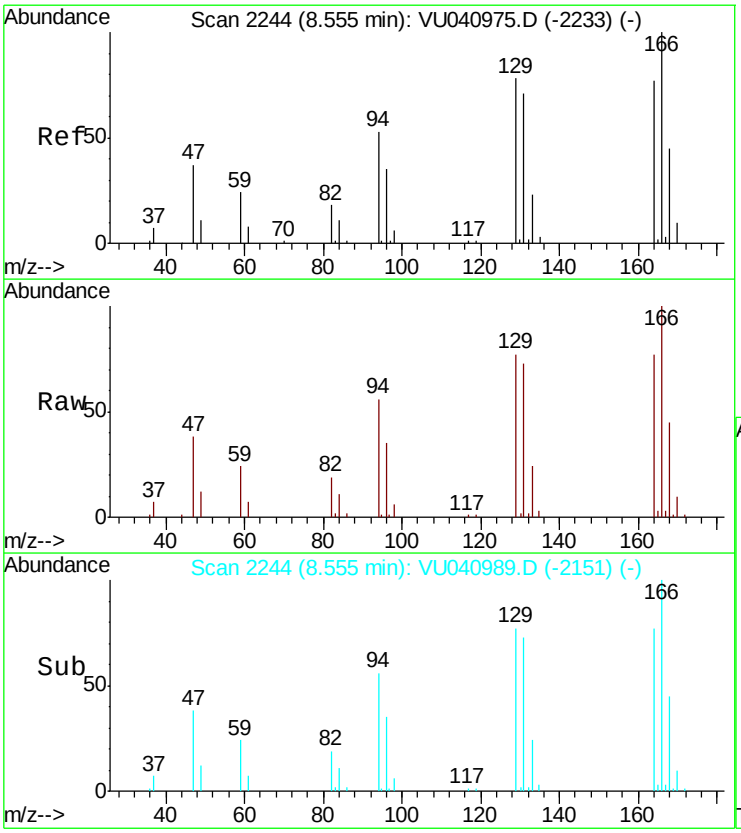

#45
1,1,2-Trichloroethane
Concen: 5.551 ug/L
RT: 8.41 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VU040989.D
Acq: 27 Oct 2020 17:21

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD00529

Tgt Ion: 97 Resp: 18967

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.3 | 45.8 | 85.2 |
| 83 | 89.5 | 67.9 | 126.1 |
| 85 | 57.1 | 42.8 | 79.6 |

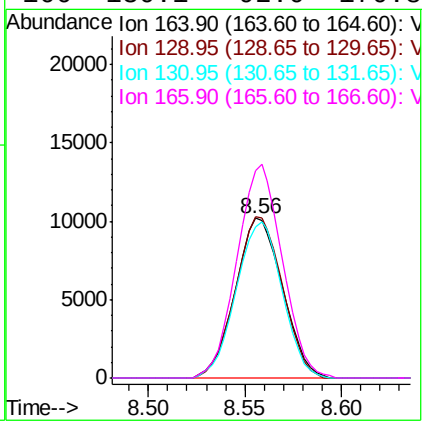


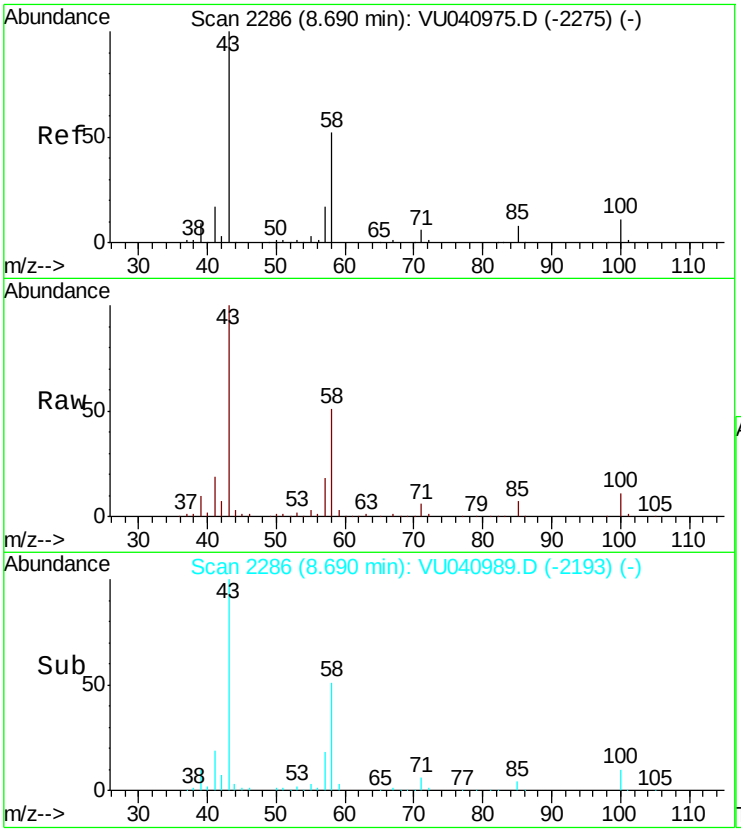




#47
Tetrachloroethene
Concen: 5.459 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. 0.00 min
Lab File: VU040989.D
Acq: 27 Oct 2020 17:21

Tgt Ion:164 Resp: 17330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 100.8 | 70.3 | 130.7 |
| 131 | 94.8 | 70.8 | 131.4 |
| 166 | 130.1 | 92.0 | 170.8 |



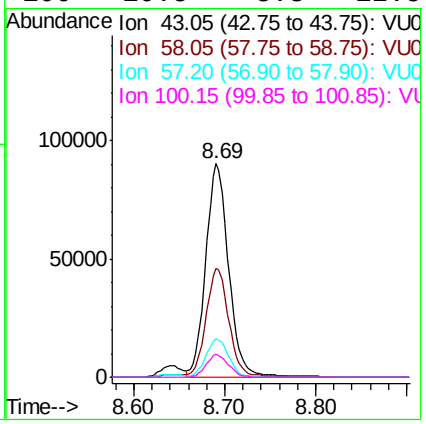


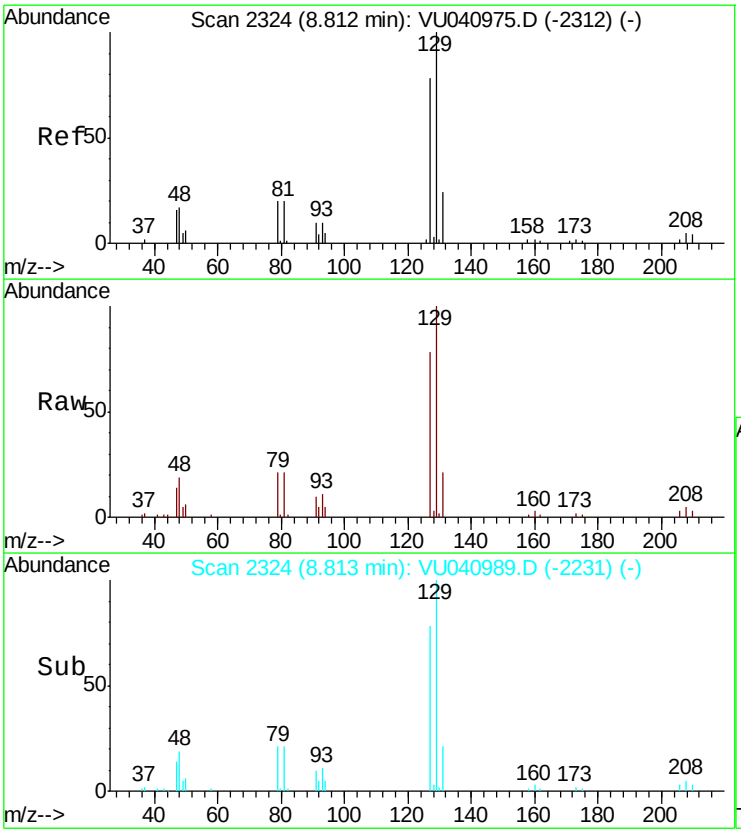

#48
2-Hexanone
Concen: 57.160 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU040989.D
Acq: 27 Oct 2020 17:21

**Instrument :** MSVOA_U
**ClientSampleId :** VSTD00529

Tgt Ion: 43 Resp: 157516

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 51.2 | 41.4 | 62.2 |
| 57 | 18.3 | 14.6 | 21.8 |
| 100 | 10.5 | 8.3 | 12.5 |

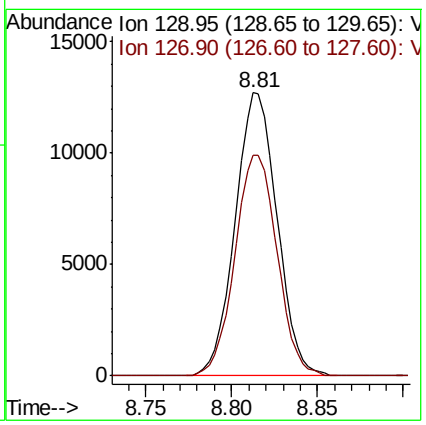


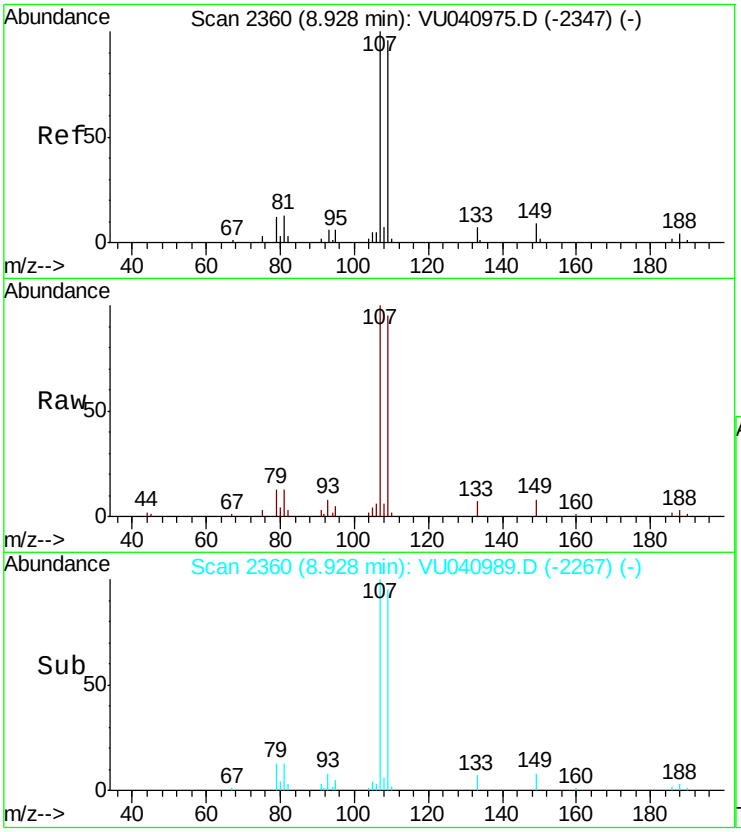




#49
Dibromochloromethane
Concen: 5.440 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. 0.00 min
Lab File: VU040989.D
Acq: 27 Oct 2020 17:21

Tgt Ion:129 Resp: 21588

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 78.0 | 53.4 | 99.2 |



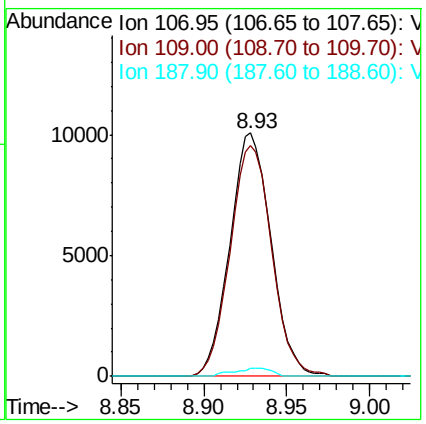


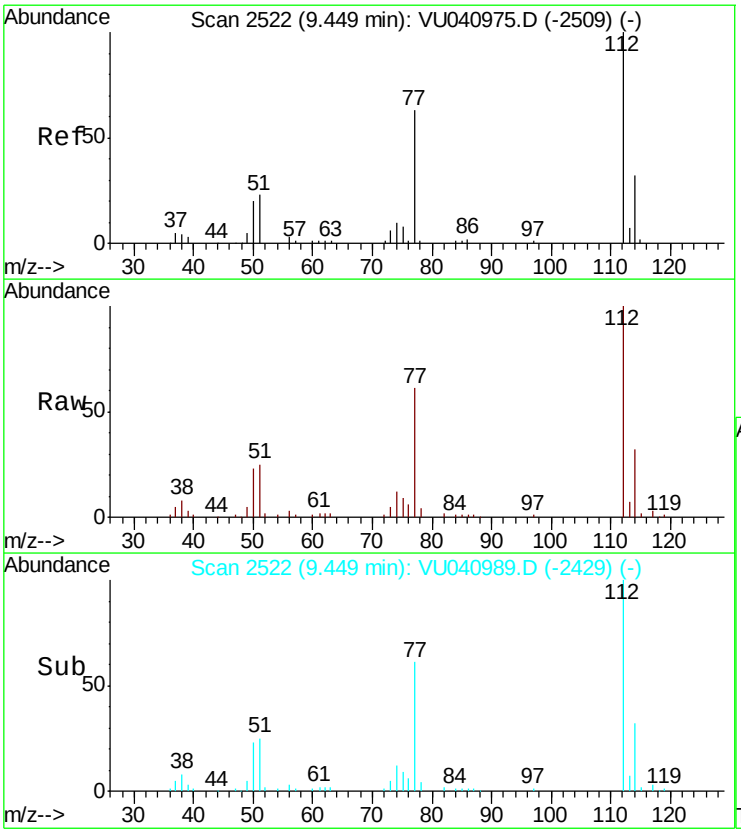

#50
1,2-Dibromoethane
Concen: 5.323 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. 0.00 min
Lab File: VU040989.D
Acq: 27 Oct 2020 17:21

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD00529

Tgt Ion:107 Resp: 17330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 95.0 | 65.6 | 121.8 |
| 188 | 3.1 | 2.9 | 4.3 |

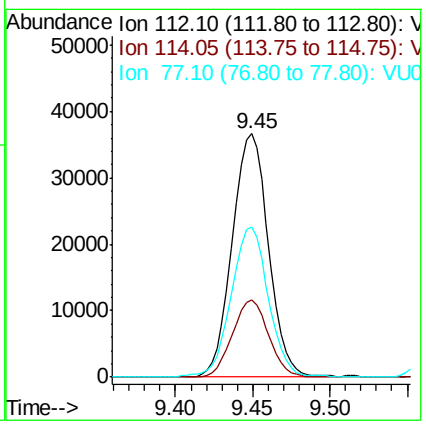


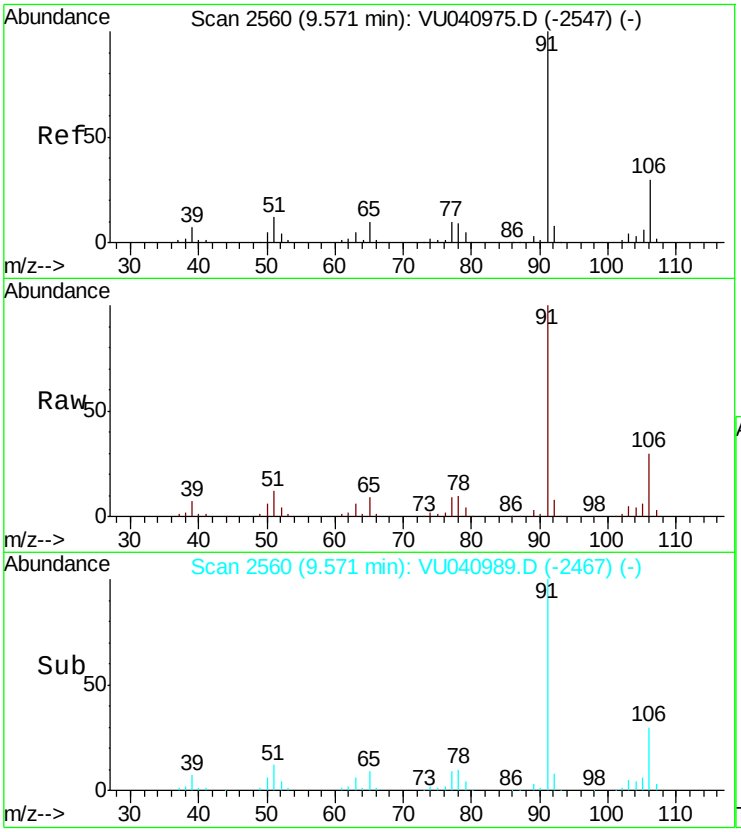




#51
Chlorobenzene
Concen: 5.470 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU040989.D
Acq: 27 Oct 2020 17:21

Tgt Ion:112 Resp: 59662

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.7 | 22.4 | 41.6 |
| 77 | 61.5 | 51.2 | 76.8 |



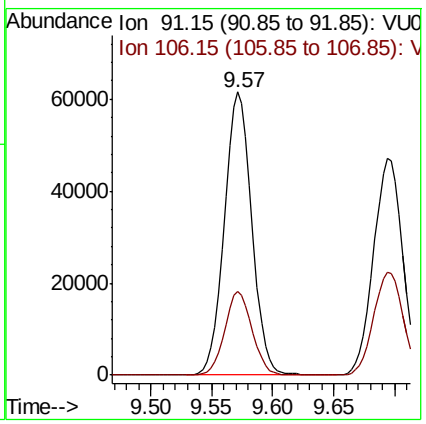


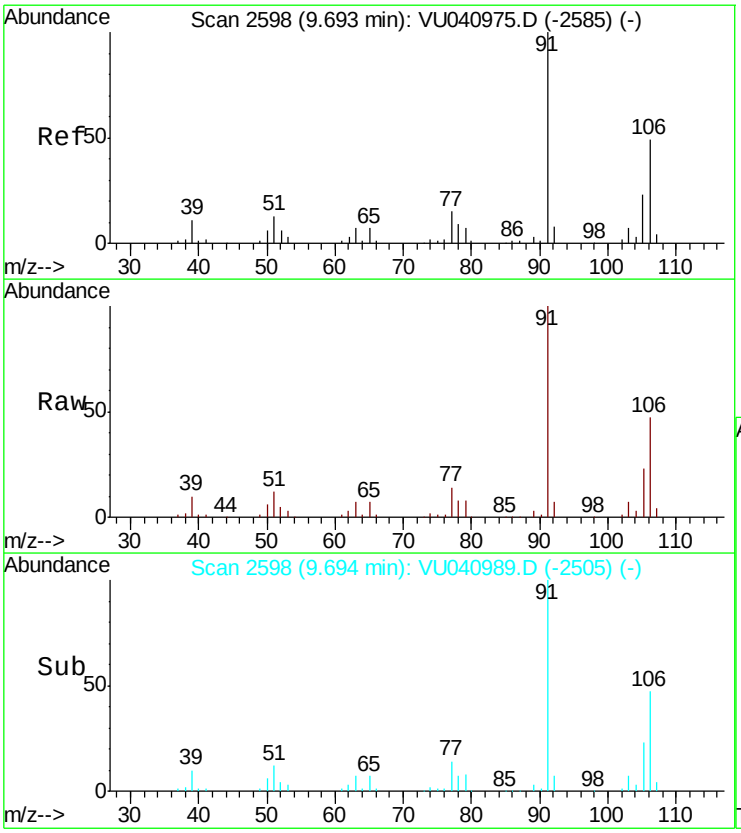

#52
Ethylbenzene
Concen: 5.361 ug/L
RT: 9.57 min Scan# 2560
Delta R.T. 0.00 min
Lab File: VU040989.D
Acq: 27 Oct 2020 17:21

**Instrument :** MSVOA_U
**ClientSampleId :** VSTD00529

Tgt Ion: 91 Resp: 97059

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.8 | 21.0 | 39.0 |

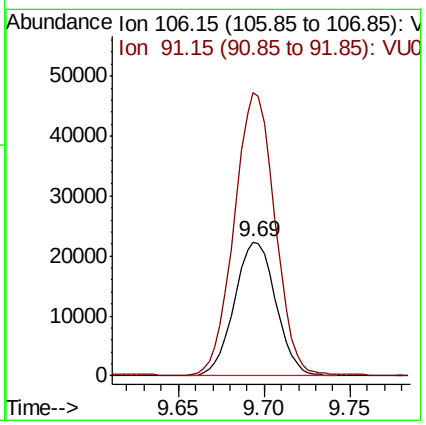


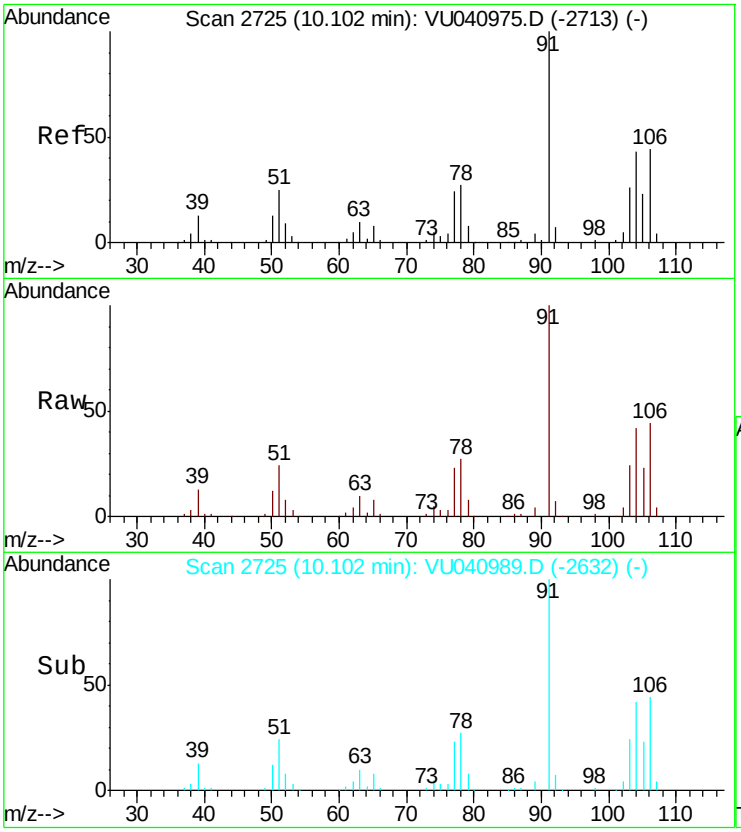




#53
m,p-Xylene
Concen: 5.666 ug/L
RT: 9.69 min Scan# 2598
Delta R.T. 0.00 min
Lab File: VU040989.D
Acq: 27 Oct 2020 17:21

Tgt Ion:106 Resp: 37414

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 211.6 | 150.9 | 280.3 |



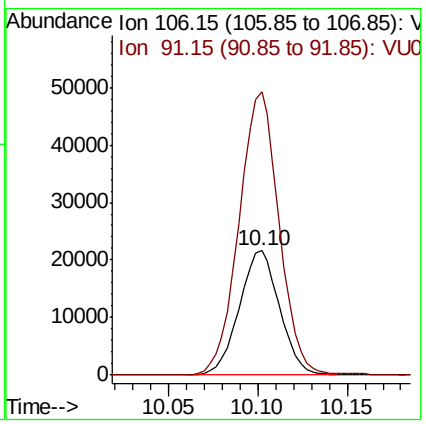


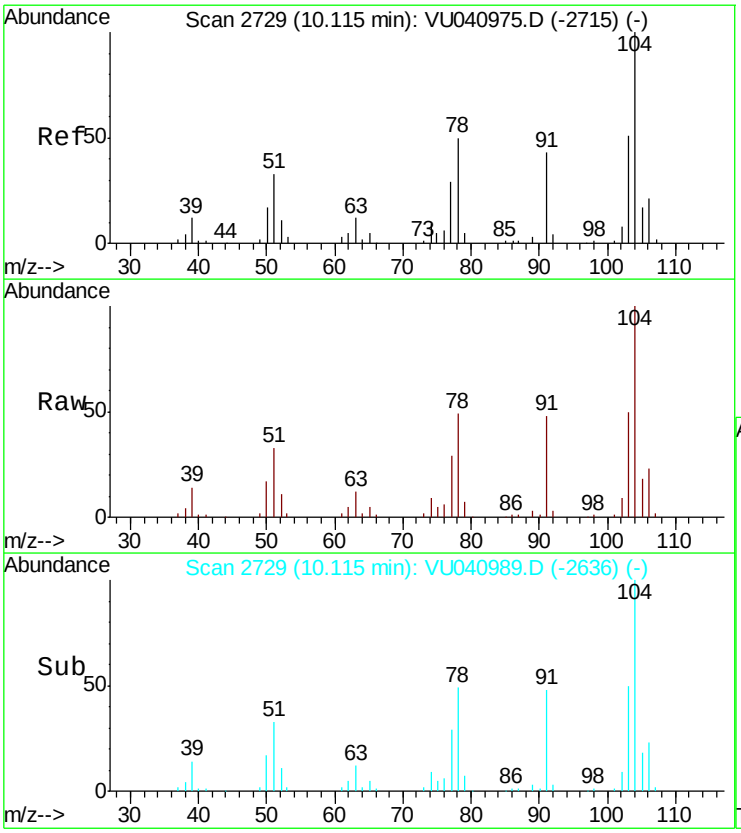

#54
o-Xylene
Concen: 5.572 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU040989.D
Acq: 27 Oct 2020 17:21

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD00529

Tgt Ion:106 Resp: 34270

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 227.4 | 154.3 | 286.5 |

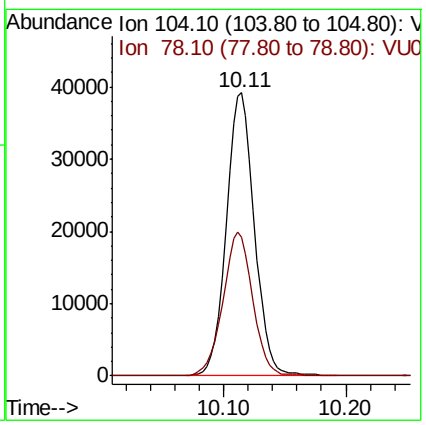


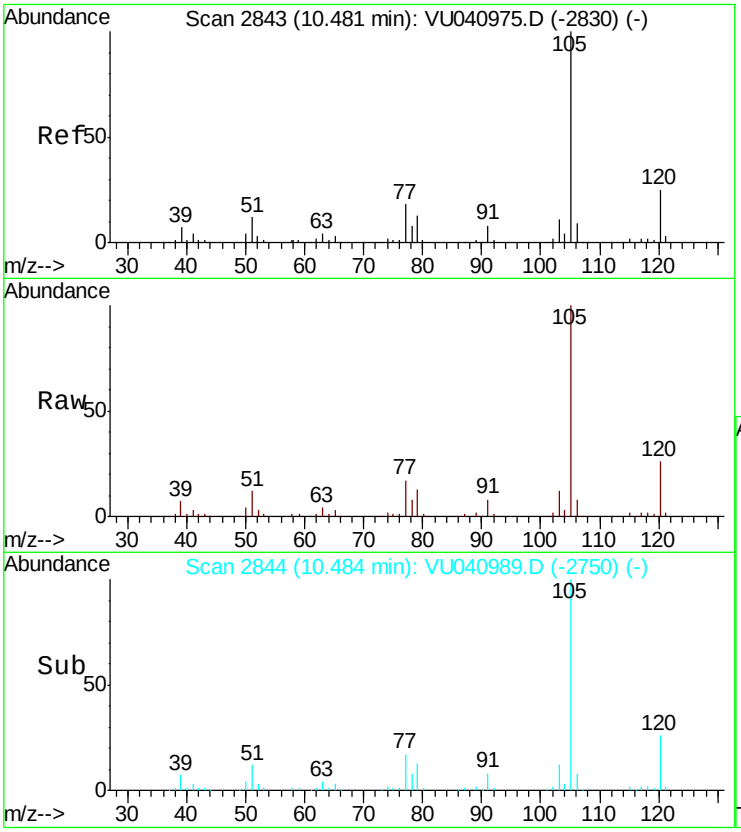




#55
Styrene
Concen: 5.746 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU040989.D
Acq: 27 Oct 2020 17:21

Tgt Ion:104 Resp: 62960

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 48.8 | 35.5 | 65.9 |



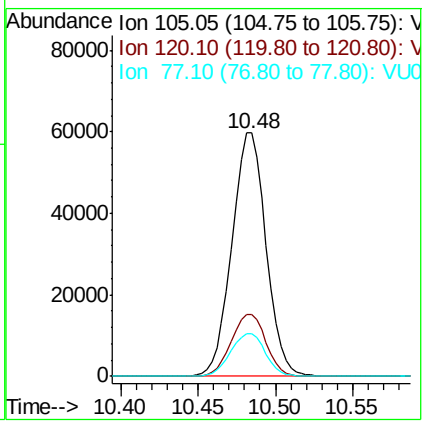


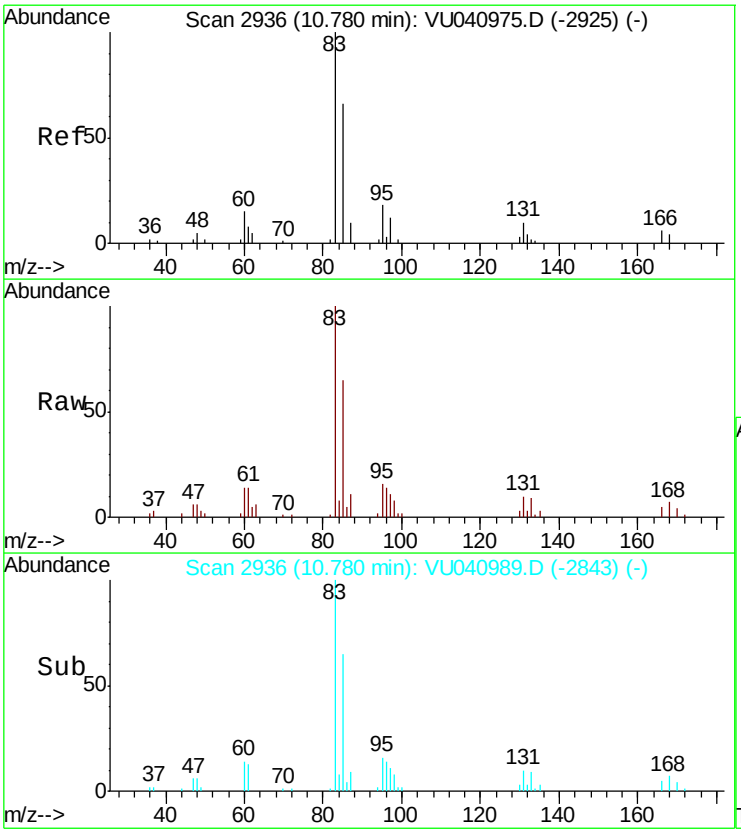

#56
Isopropylbenzene
Concen: 5.523 ug/L
RT: 10.48 min Scan# 2844
Delta R.T. 0.00 min
Lab File: VU040989.D
Acq: 27 Oct 2020 17:21

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD00529

Tgt Ion:105 Resp: 91329

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.0 | 20.7 | 31.1 |
| 77 | 18.0 | 13.8 | 20.6 |

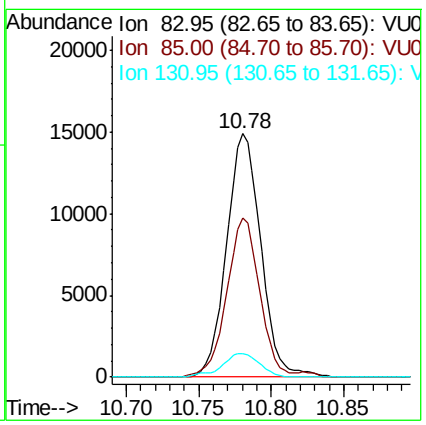


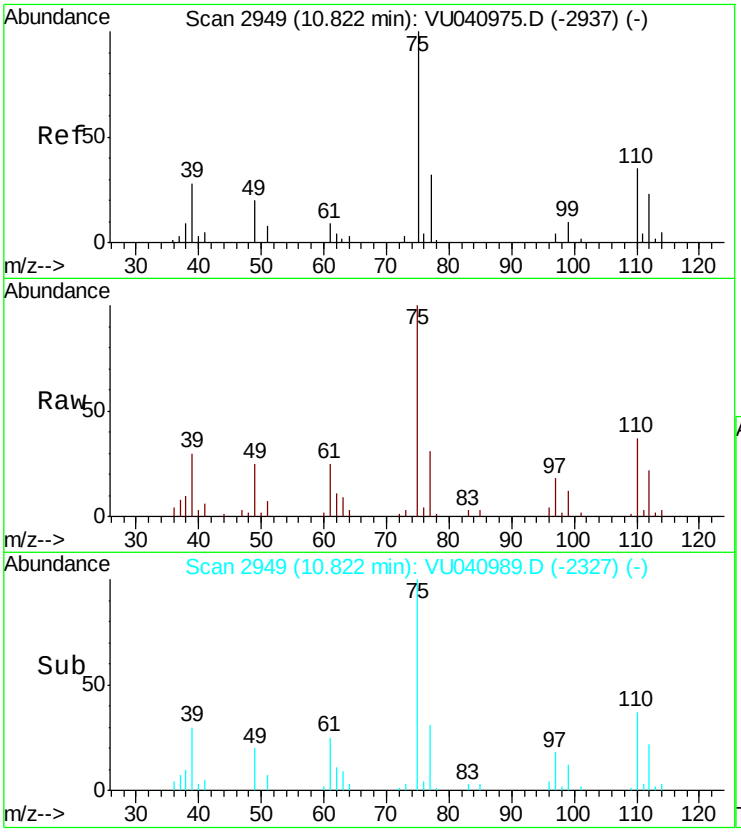




#58
1,1,2,2-Tetrachloroethane
Concen: 5.457 ug/L
RT: 10.78 min Scan# 2936
Delta R.T. 0.00 min
Lab File: VU040989.D
Acq: 27 Oct 2020 17:21

Tgt Ion: 83 Resp: 24488

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.2 | 44.4 | 82.4 |
| 131 | 9.6 | 7.7 | 11.5 |



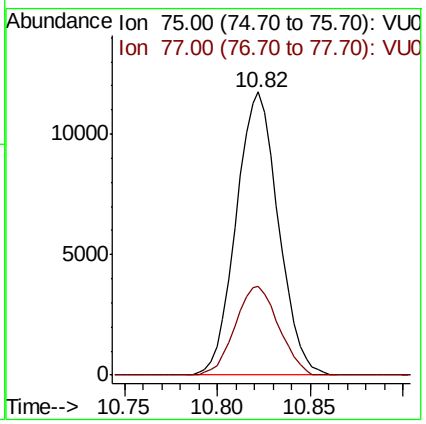


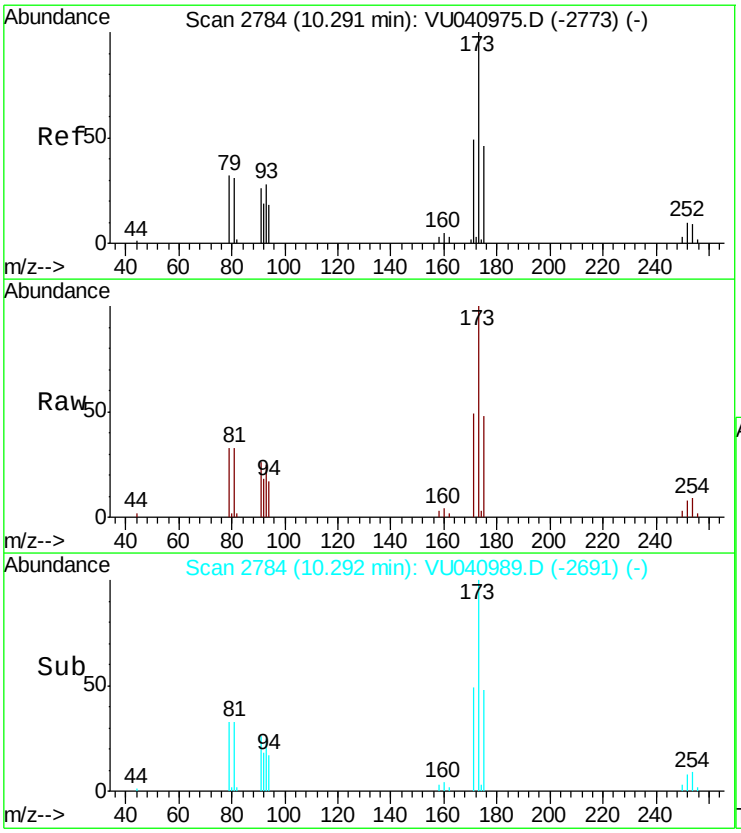

#59
1,2,3-Trichloropropane
Concen: 5.424 ug/L
RT: 10.82 min Scan# 2949
Delta R.T. 0.00 min
Lab File: VU040989.D
Acq: 27 Oct 2020 17:21

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD00529

Tgt Ion: 75 Resp: 18555

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.3 | 25.7 | 38.5 |

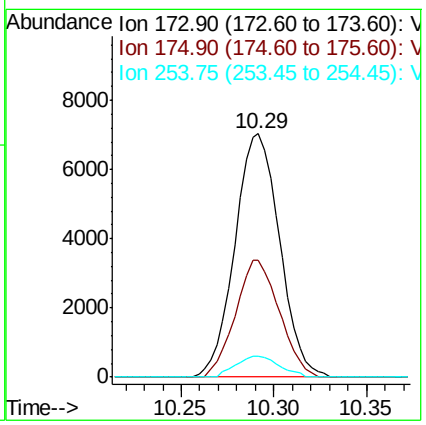


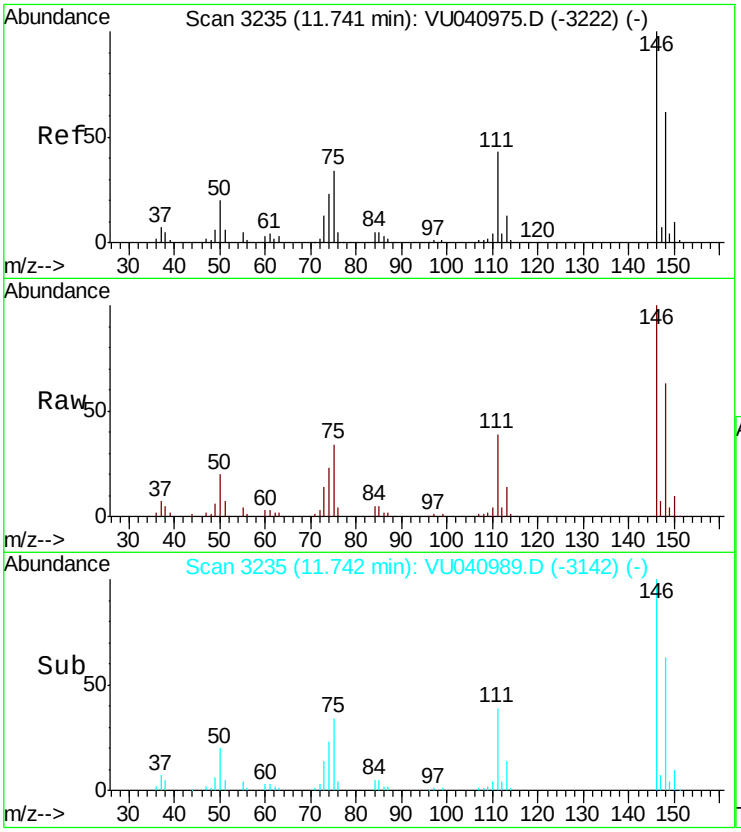




#61
Bromoform
Concen: 5.334 ug/L
RT: 10.29 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VU040989.D
Acq: 27 Oct 2020 17:21

Tgt Ion:173 Resp: 11800

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 47.1 | 37.6 | 56.4 |
| 254 | 8.3 | 6.6 | 9.8 |



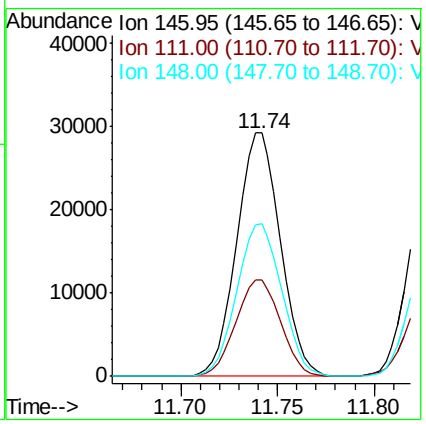


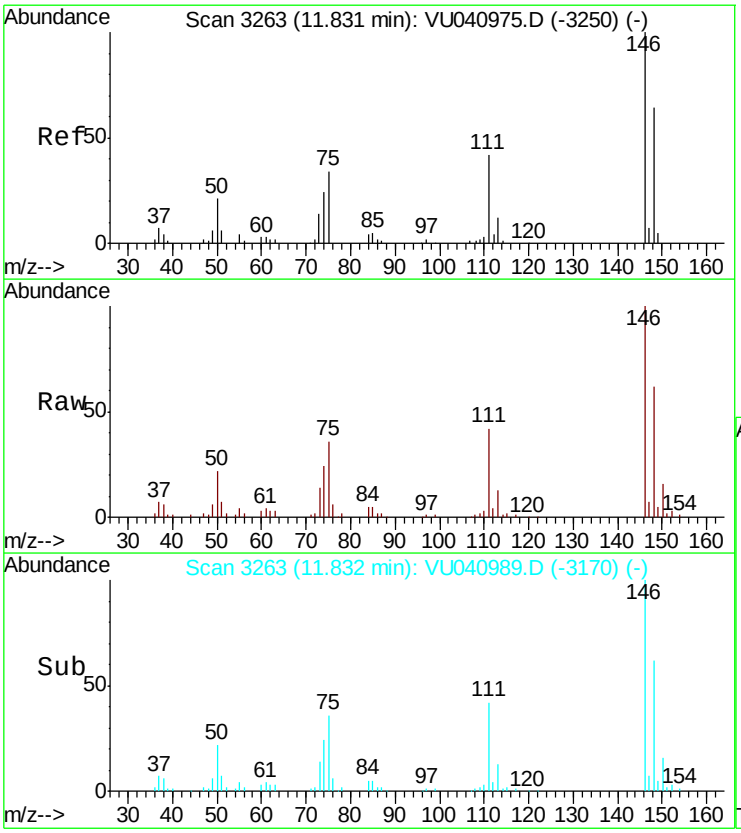

#62
1,3-Dichlorobenzene
Concen: 5.553 ug/L
RT: 11.74 min Scan# 3235
Delta R.T. 0.00 min
Lab File: VU040989.D
Acq: 27 Oct 2020 17:21

**Instrument :** MSVOA_U
**ClientSampleId :** VSTD00529

Tgt Ion:146 Resp: 46011

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.5 | 30.9 | 57.3 |
| 148 | 62.7 | 45.8 | 85.2 |

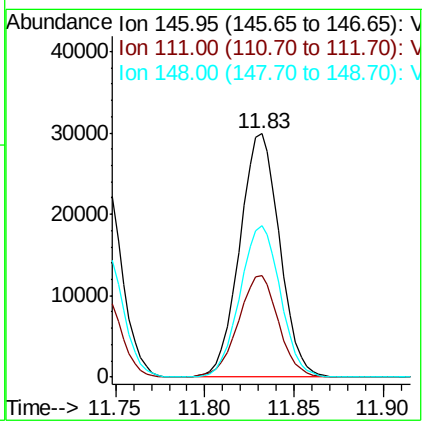


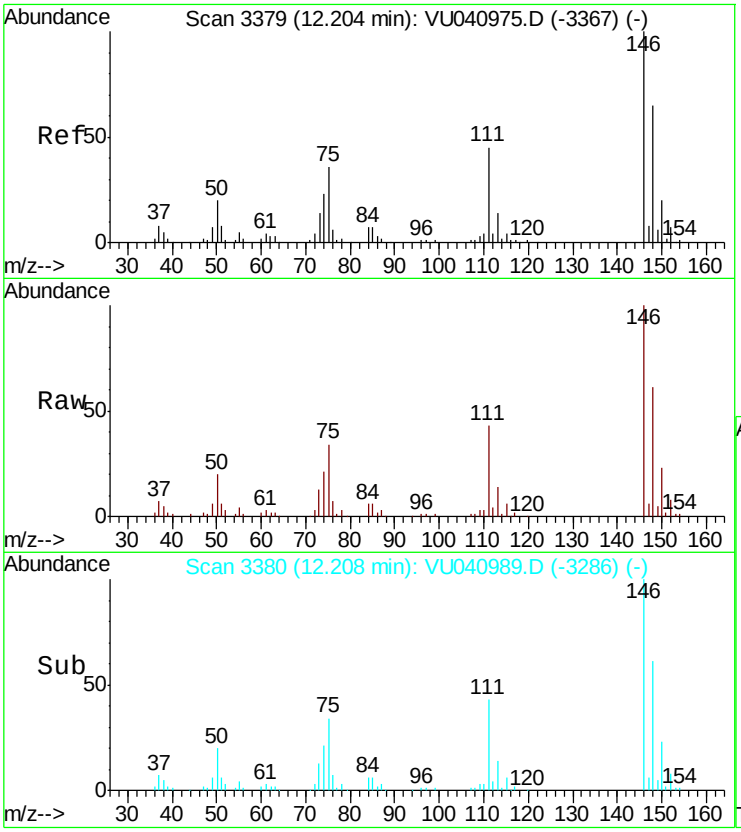




#63
1,4-Dichlorobenzene
Concen: 5.461 ug/L
RT: 11.83 min Scan# 3263
Delta R.T. 0.00 min
Lab File: VU040989.D
Acq: 27 Oct 2020 17:21

Tgt Ion:146 Resp: 46864

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.6 | 28.3 | 52.7 |
| 148 | 62.0 | 44.2 | 82.2 |



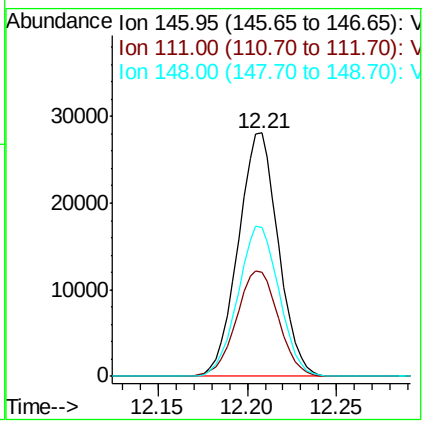


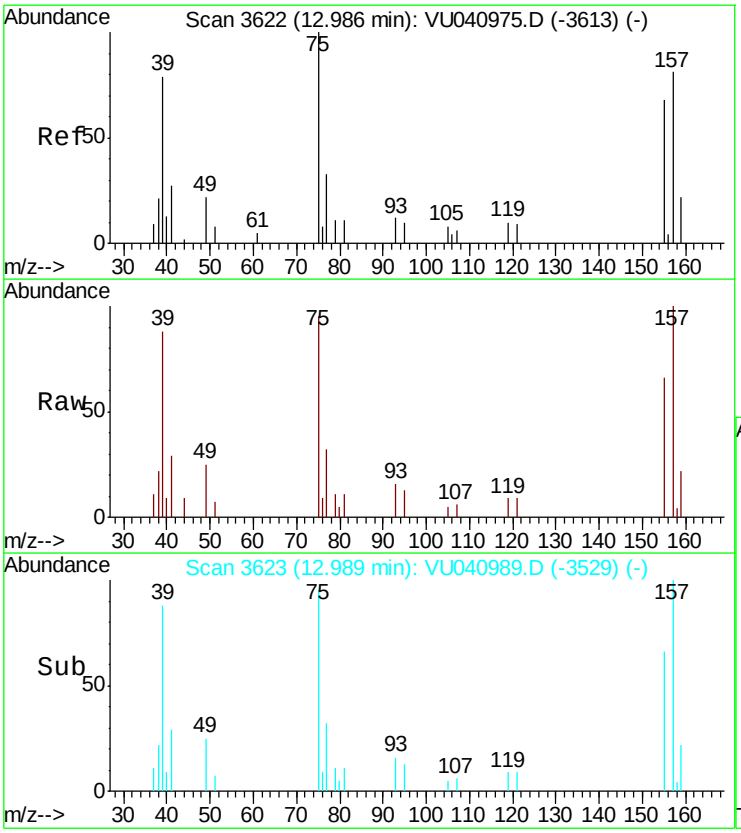

#65
1,2-Dichlorobenzene
Concen: 5.399 ug/L
RT: 12.21 min Scan# 3380
Delta R.T. 0.00 min
Lab File: VU040989.D
Acq: 27 Oct 2020 17:21

**Instrument :** MSVOA_U
**ClientSampleId :** VSTD00529

Tgt Ion:146 Resp: 44152

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.8 | 35.0 | 52.6 |
| 148 | 61.2 | 52.0 | 78.0 |

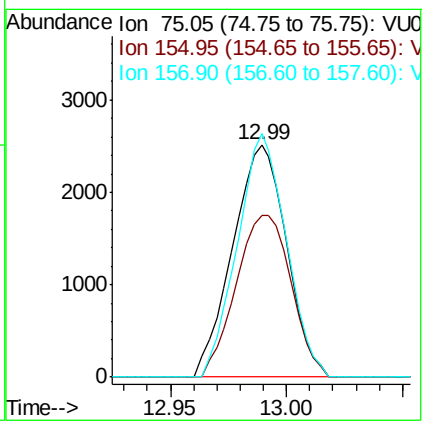


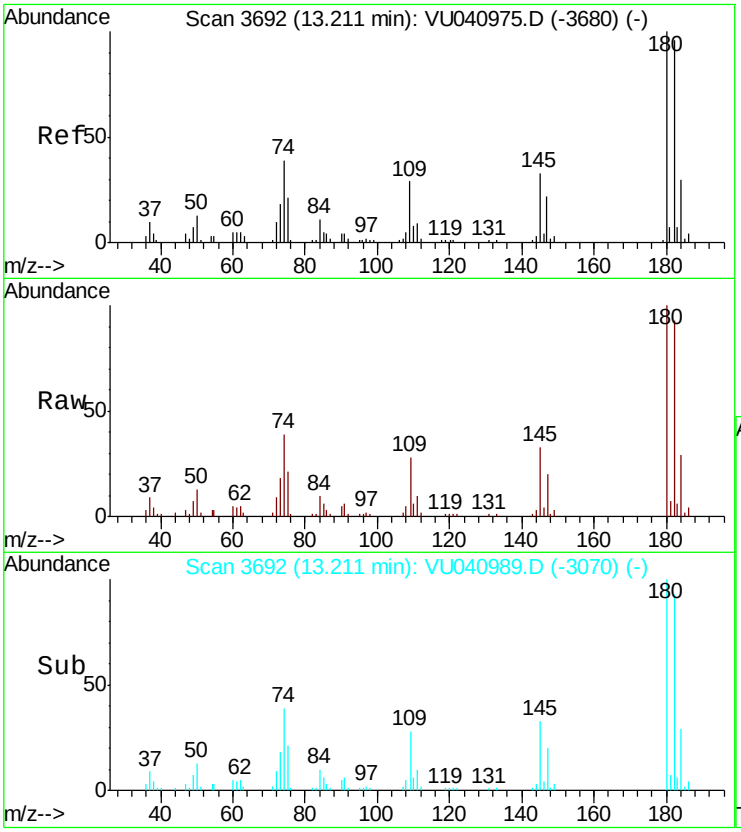




#66
1,2-Dibromo-3-chloropropane
Concen: 5.045 ug/L
RT: 12.99 min Scan# 3623
Delta R.T. 0.00 min
Lab File: VU040989.D
Acq: 27 Oct 2020 17:21

Tgt Ion: 75 Resp: 4043

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 69.5 | 61.4 | 92.2 |
| 157 | 104.9 | 74.2 | 111.4 |



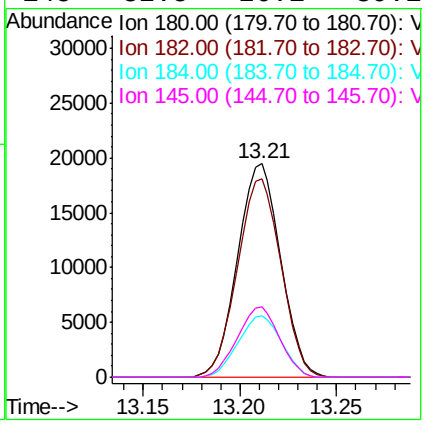


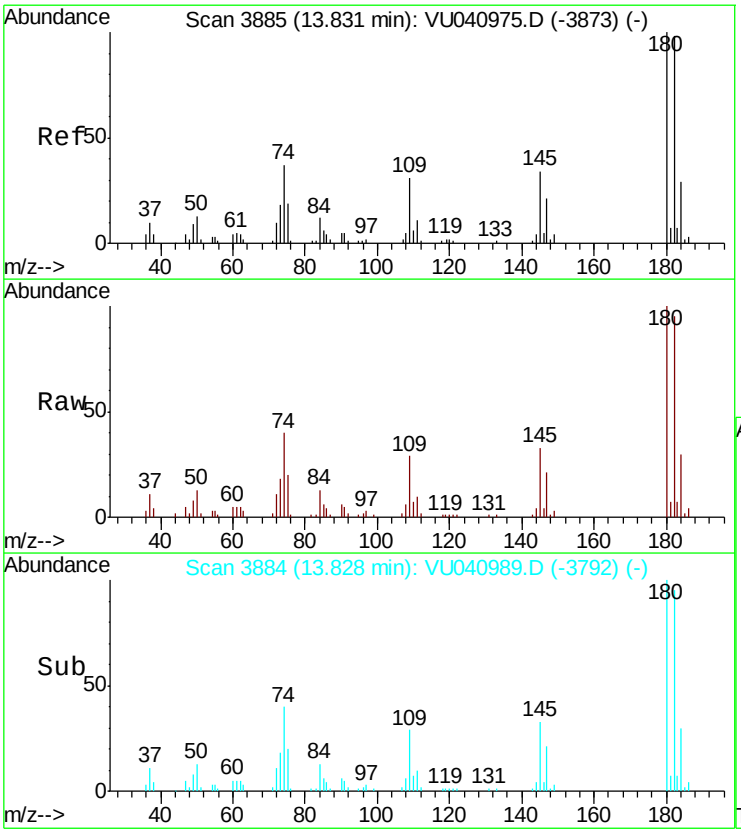

#67
1,3,5-Trichlorobenzene
Concen: 5.214 ug/L
RT: 13.21 min Scan# 3692
Delta R.T. 0.00 min
Lab File: VU040989.D
Acq: 27 Oct 2020 17:21

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD00529

Tgt Ion:180 Resp: 30218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.9 | 75.7 | 113.5 |
| 184 | 29.0 | 23.7 | 35.5 |
| 145 | 32.5 | 26.1 | 39.1 |

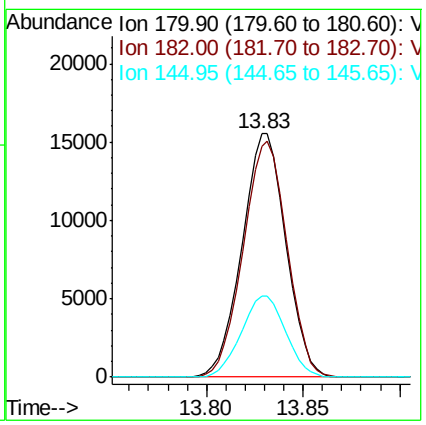


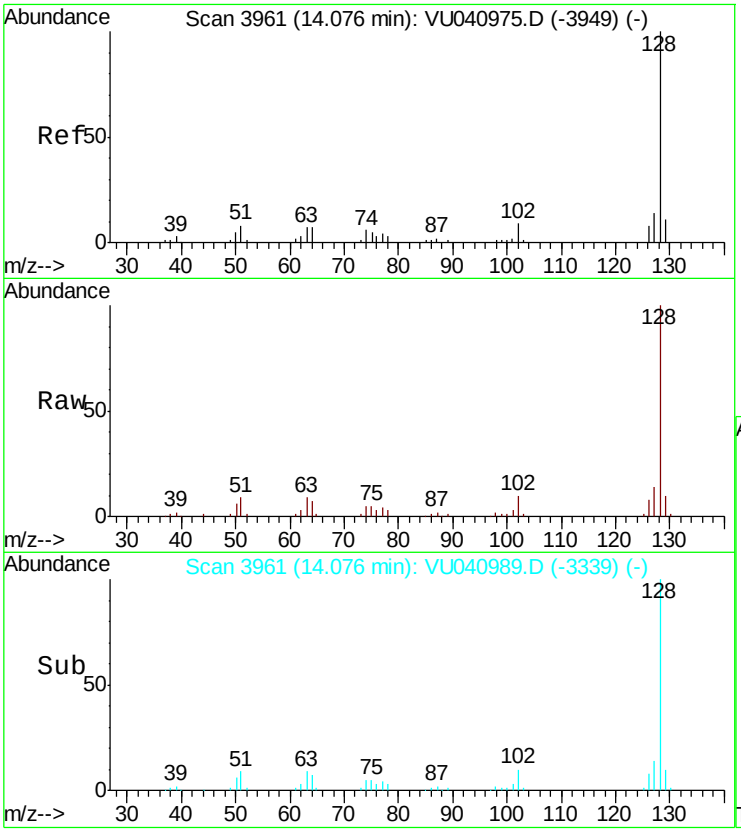




#68
1,2,4-trichlorobenzene
Concen: 5.106 ug/L
RT: 13.83 min Scan# 3884
Delta R.T. -0.00 min
Lab File: VU040989.D
Acq: 27 Oct 2020 17:21

Tgt Ion:180 Resp: 24514

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.6 | 73.5 | 110.3 |
| 145 | 33.7 | 26.6 | 40.0 |



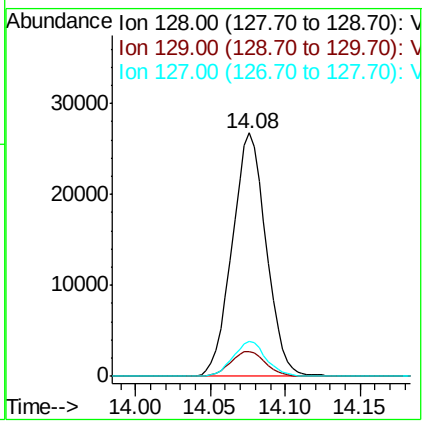


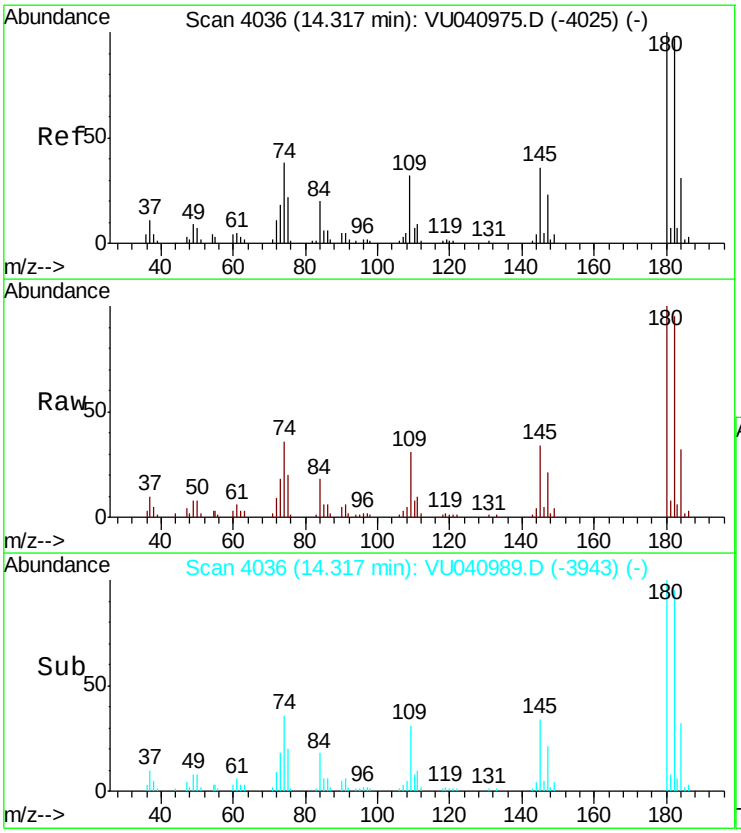

#69
Naphthalene
Concen: 4.933 ug/L
RT: 14.08 min Scan# 3961
Delta R.T. 0.00 min
Lab File: VU040989.D
Acq: 27 Oct 2020 17:21

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTD00529

Tgt Ion:128 Resp: 42349

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.6 | 8.7 | 13.1 |
| 127 | 13.9 | 10.8 | 16.2 |




#70
1,2,3-Trichlorobenzene
Concen: 5.587 ug/L
RT: 14.32 min Scan# 4036
Delta R.T. 0.00 min
Lab File: VU040989.D
Acq: 27 Oct 2020 17:21

Tgt Ion:180 Resp: 24723

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.6 | 77.7 | 116.5 |
| 145 | 33.8 | 29.4 | 44.0 |