Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU112118\

Quantitation Report (Not Reviewed)

Data File : VU028314.D
Acq On : 21 Nov 2018 13:04
Operator : MD/SY
Sample : J6026-13 MSD
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** H0FM0MSD

Quant Time: Nov 21 22:37:34 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 21 22:33:20 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.88 | 114 | 173133 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.09 | 117 | 163561 | 5.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152 | 72402 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.40 | 65 | 67861 | 5.21 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 104.20% | | | |
| 7) Chloroethane-d5 | 1.68 | 69 | 50172 | 4.46 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 89.20% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.28 | 63 | 131694 | 5.08 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 101.60% | | | |
| 20) 2-Butanone-d5 | 4.19 | 46 | 198262 | 45.47 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 90.94% | | | |
| 24) Chloroform-d | 4.65 | 84 | 112957 | 4.65 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 93.00% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.31 | 65 | 65637 | 4.89 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 97.80% | | | |
| 32) Benzene-d6 | 5.34 | 84 | 224852 | 4.78 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 95.60% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.33 | 67 | 84152 | 4.92 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 98.40% | | | |
| 41) Toluene-d8 | 7.57 | 98 | 196892 | 4.67 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 93.40% | | | |
| 43) trans-1,3-Dichloropropene- | 7.85 | 79 | 30018 | 5.50 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 110.00% | | | |
| 46) 2-Hexanone-d5 | 8.31 | 63 | 139049 | 42.46 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 84.92% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43 | 84 | 56867 | 4.61 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 92.20% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.86 | 152 | 66719 | 4.95 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 99.00% | | | |

| Target Compounds | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 3) Chloromethane | 1.33 | 50 | 1332 | 0.072 | ug/L | 97 |
| 5) Vinyl chloride | 1.40 | 62 | 19437 | 1.106 | ug/L | 85 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.28 | 101 | 871 | 0.077 | ug/L # | 21 |
| 12) 1,1-Dichloroethene | 2.29 | 96 | 55646 | 5.221 | ug/L | 96 |
| 13) Acetone | 2.32 | 43 | 1480 | 0.494 | ug/L | 99 |
| 17) Methyl tert-butyl Ether | 3.01 | 73 | 68879 | 2.151 | ug/L | 97 |
| 18) trans-1,2-Dichloroethene | 2.98 | 96 | 37210 | 3.277 | ug/L | 96 |
| 19) 1,1-Dichloroethane | 3.44 | 63 | 10489 | 0.398 | ug/L | 97 |
| 22) cis-1,2-Dichloroethene | 4.22 | 96 | 351970 | 26.226 | ug/L | 96 |
| 27) 1,2-Dichloroethane | 5.39 | 62 | 2697 | 0.166 | ug/L # | 78 |
| 33) Benzene | 5.39 | 78 | 277855 | 5.149 | ug/L | 100 |
| 34) Trichloroethene | 6.18 | 95 | 289809 | 21.935 | ug/L | 98 |
| 35) Methylcyclohexane | 6.33 | 83 | 16766 | 0.805 | ug/L # | 14 |
| 37) 1,2-Dichloropropane | 6.33 | 63 | 8867 | 0.576 | ug/L # | 92 |
| 39) cis-1,3-Dichloropropene | 7.23 | 75 | 1909 | 0.098 | ug/L # | 51 |
| 42) Toluene | 7.64 | 91 | 275404 | 5.035 | ug/L | 98 |
| 48) 2-Hexanone | 8.36 | 43 | 2420 | 0.308 | ug/L # | 65 |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU112118\

Quantitation Report (Not Reviewed)

Data File : VU028314.D
Acq On : 21 Nov 2018 13:04
Operator : MD/SY
Sample : J6026-13 MSD
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** H0FM0MSD

Quant Time: Nov 21 22:37:34 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 21 22:33:20 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 51) Chlorobenzene | 9.12 | 112 | 158251 | 5.024 | ug/L | 98 |
| 59) 1,2,3-Trichloropropane | 11.48 | 75 | 11205 | 1.259 | ug/L | 93 |

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

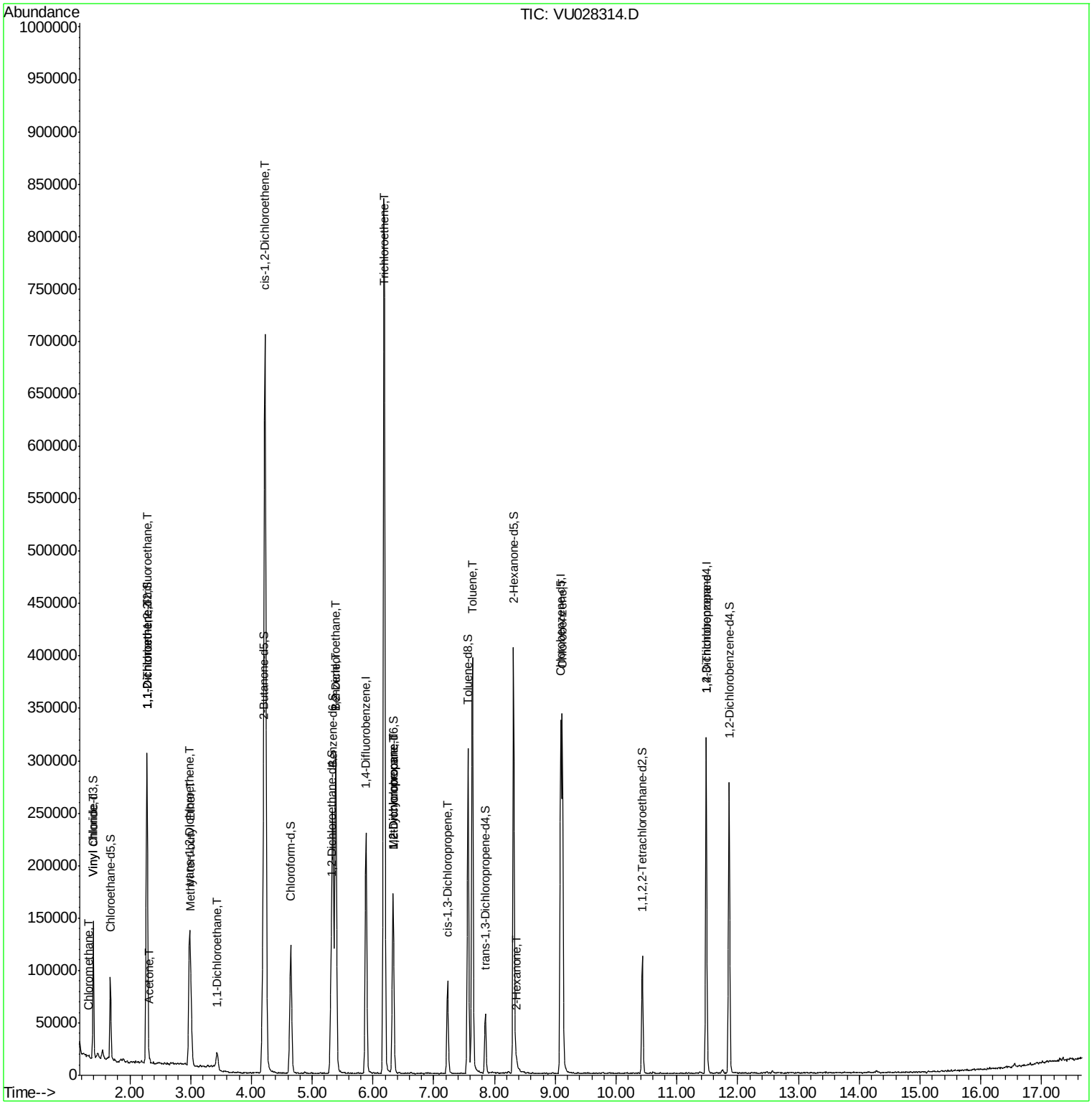
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU112118\

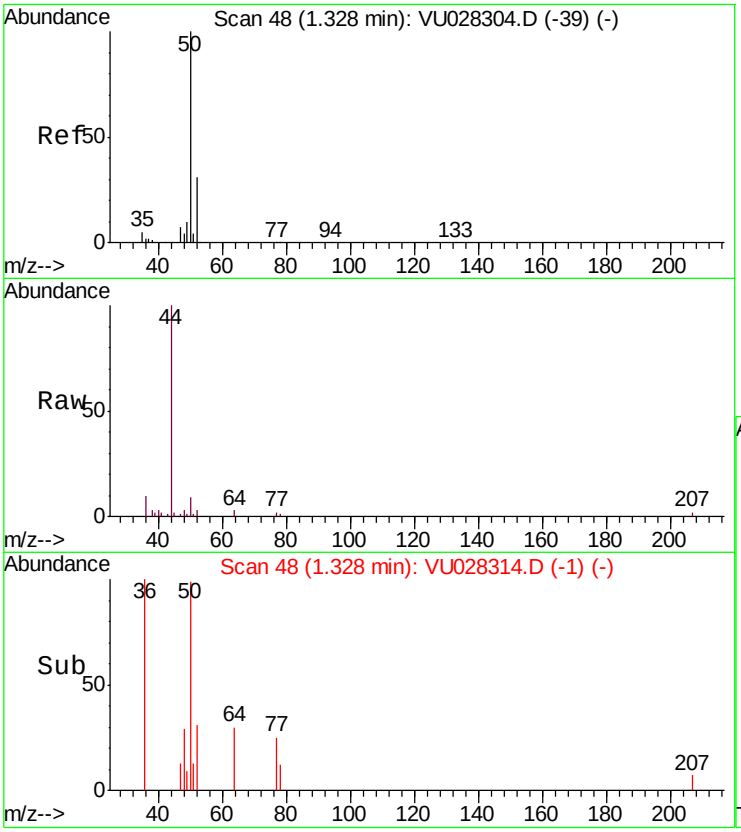
Quantitation Report (Not Reviewed)

Data File : VU028314.D
Acq On : 21 Nov 2018 13:04
Operator : MD/SY
Sample : J6026-13 MSD
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
H0FM0MSD

Quant Time: Nov 21 22:37:34 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 21 22:33:20 2018
Response via : Initial Calibration



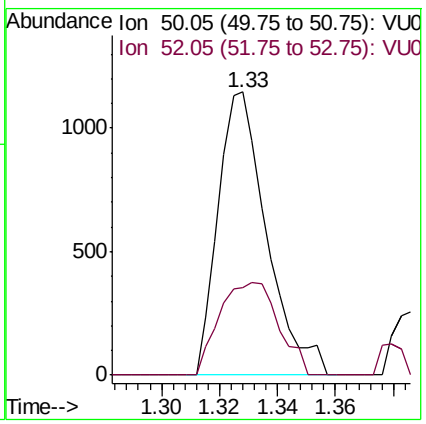


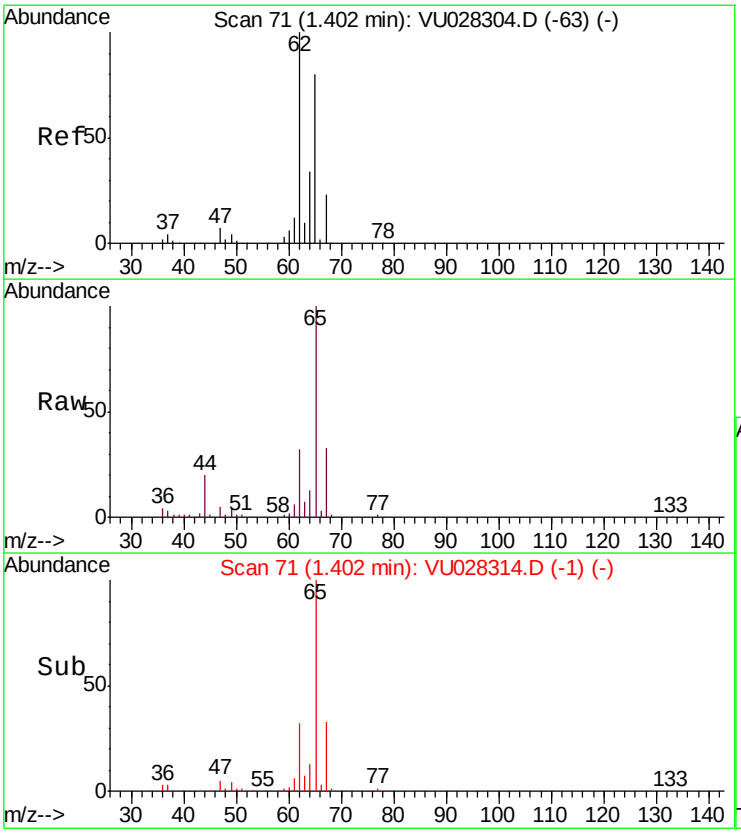

#3
Chloromethane
Concen: 0.072 ug/L
RT: 1.33 min Scan# 48
Delta R.T. 0.00 min
Lab File: VU028314.D
Acq: 21 Nov 2018 13:04

**Instrument :**
MSVOA_U
**ClientSampleId :**
H0FM0MSD

Tgt Ion: 50 Resp: 1332

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 31.2 | 22.8 | 42.4 |

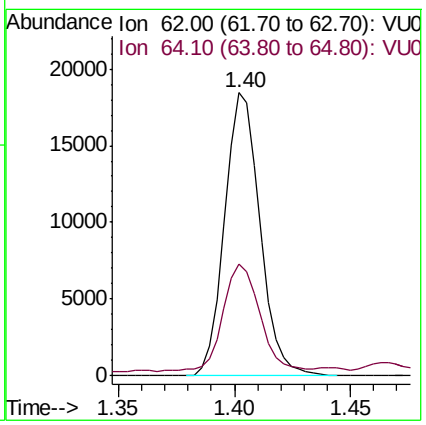


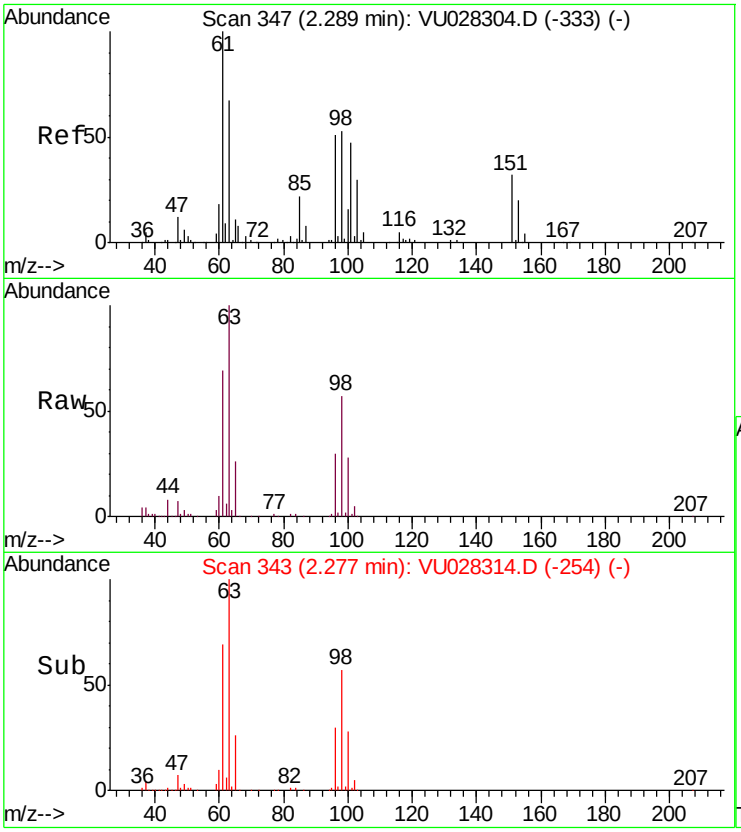




#5
Vinyl chloride
Concen: 1.106 ug/L
RT: 1.40 min Scan# 71
Delta R.T. 0.00 min
Lab File: VU028314.D
Acq: 21 Nov 2018 13:04

Tgt Ion: 62 Resp: 19437

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 39.4 | 21.7 | 40.3 |



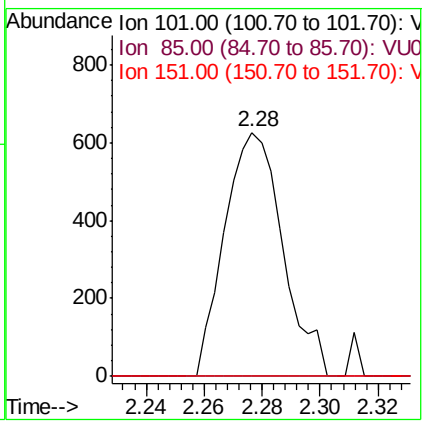


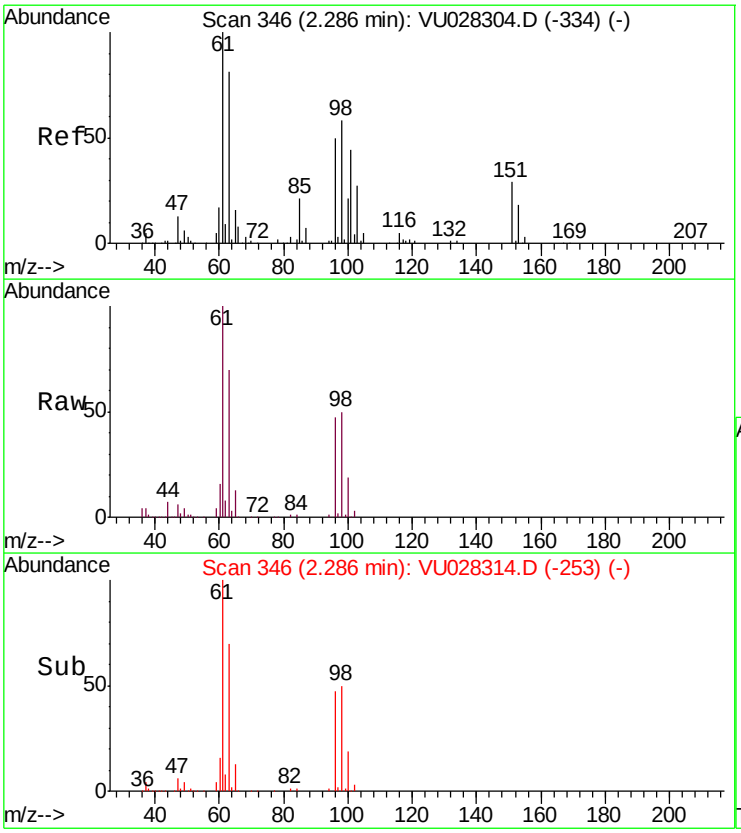

#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.077 ug/L
RT: 2.28 min Scan# 343
Delta R.T. -0.01 min
Lab File: VU028314.D
Acq: 21 Nov 2018 13:04

**Instrument :** MSVOA_U
**ClientSampleId :** H0FM0MSD

Tgt Ion:101 Resp: 871

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 0.0 | 37.4 | 56.2# |
| 151 | 0.0 | 55.0 | 82.4# |

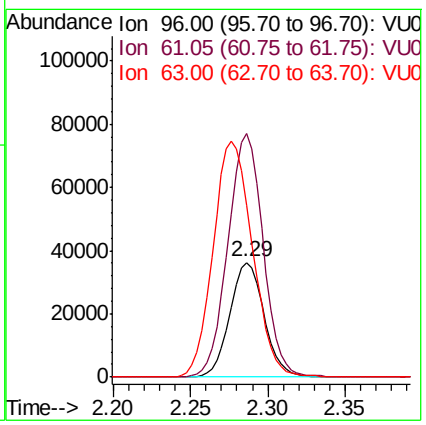


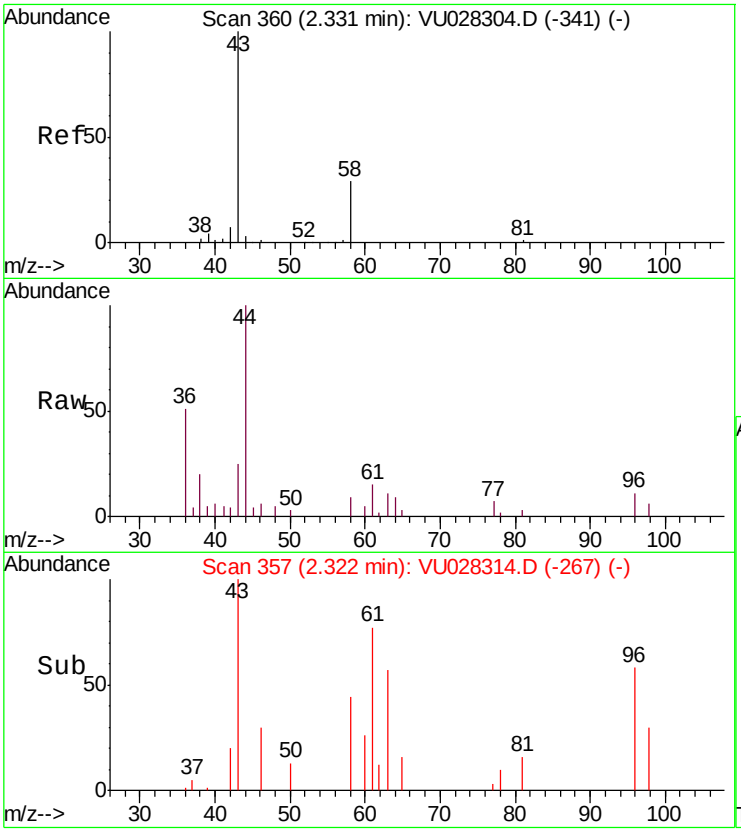




#12
1,1-Dichloroethene
Concen: 5.221 ug/L
RT: 2.29 min Scan# 346
Delta R.T. 0.00 min
Lab File: VU028314.D
Acq: 21 Nov 2018 13:04

Tgt Ion: 96 Resp: 55646

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 211.8 | 145.5 | 270.1 |
| 63 | 149.1 | 98.6 | 183.2 |



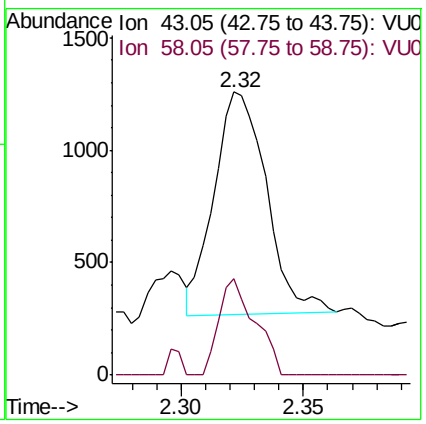


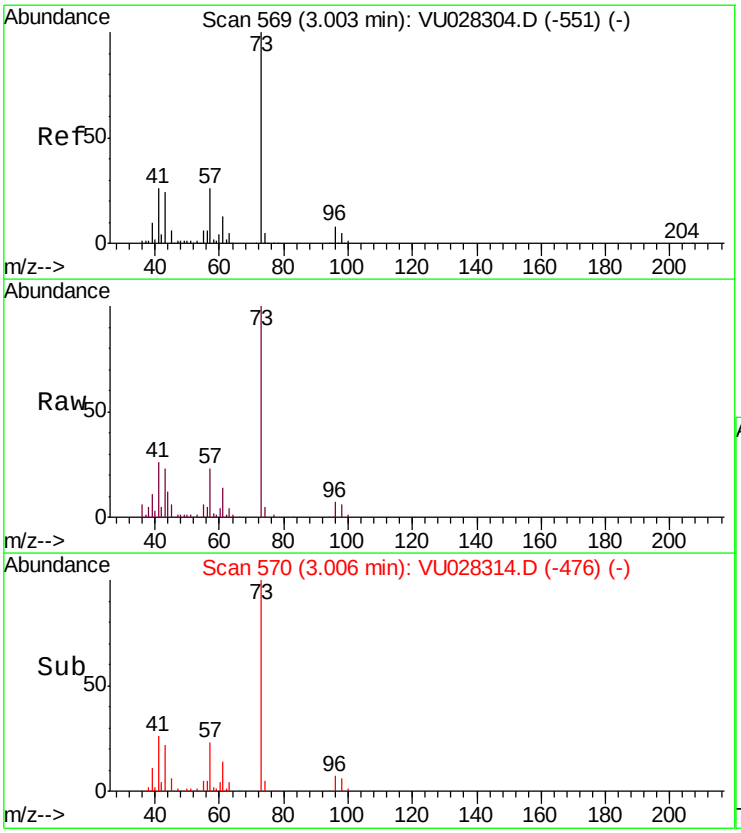

#13
Acetone
Concen: 0.494 ug/L
RT: 2.32 min Scan# 357
Delta R.T. -0.01 min
Lab File: VU028314.D
Acq: 21 Nov 2018 13:04

**Instrument :** MSVOA_U
**ClientSampleId :** H0FM0MSD

Tgt Ion: 43 Resp: 1480

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.9 | 0.0 | 58.6 |

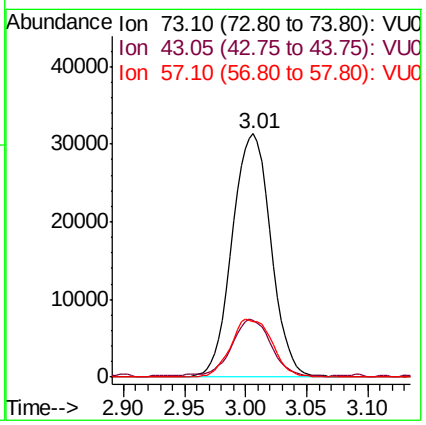


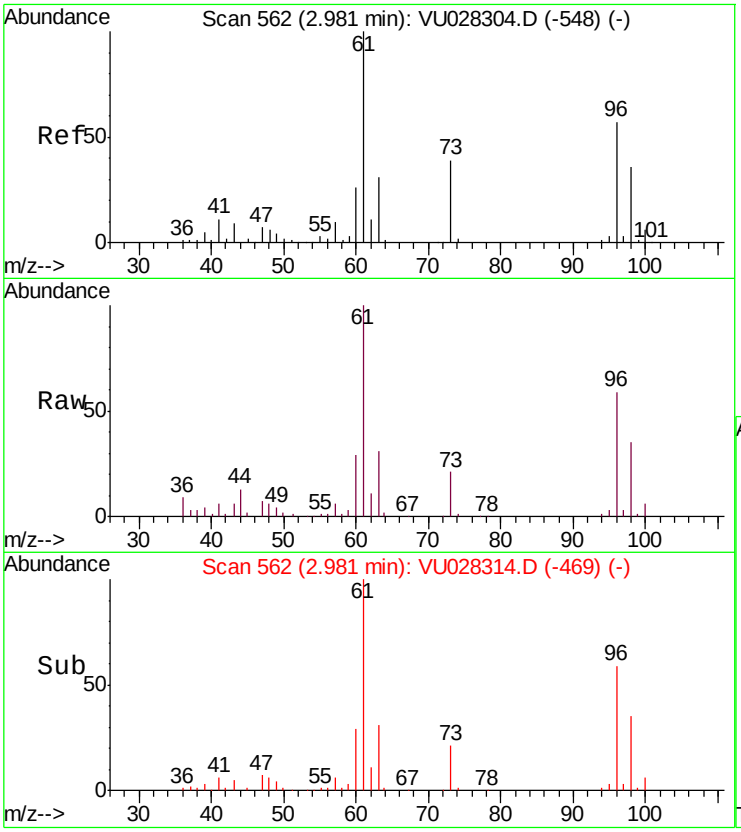




#17
Methyl tert-butyl Ether
Concen: 2.151 ug/L
RT: 3.01 min Scan# 570
Delta R.T. 0.00 min
Lab File: VU028314.D
Acq: 21 Nov 2018 13:04

Tgt Ion: 73 Resp: 68879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 43 | 25.2 | 18.8 | 28.2 |
| 57 | 25.4 | 19.2 | 28.8 |



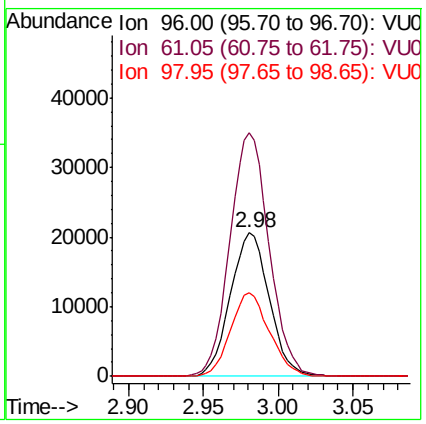


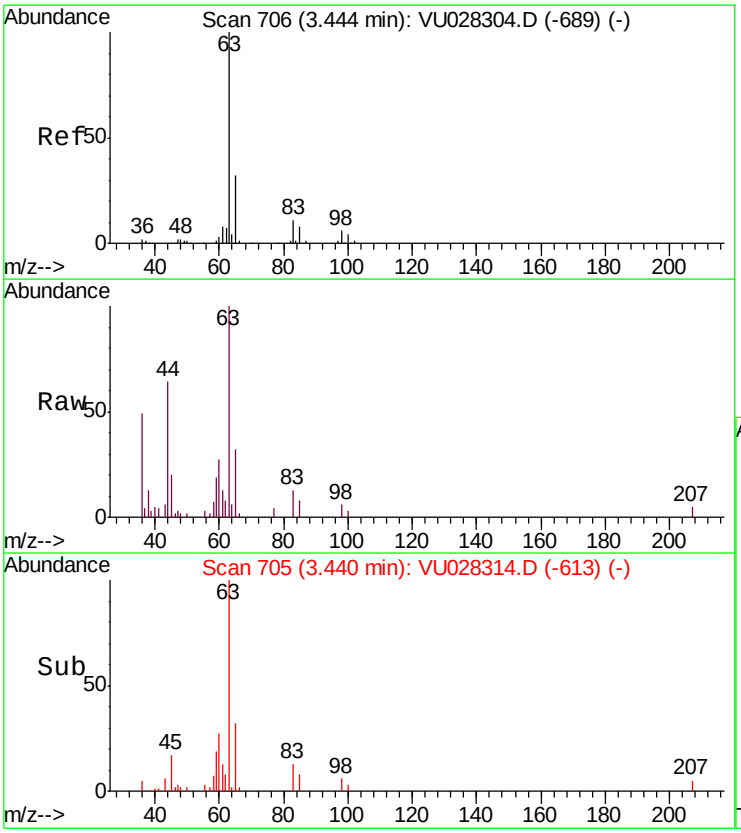

#18
trans-1,2-Dichloroethene
Concen: 3.277 ug/L
RT: 2.98 min Scan# 562
Delta R.T. 0.00 min
Lab File: VU028314.D
Acq: 21 Nov 2018 13:04

**Instrument :**
MSVOA_U
**ClientSampleId :**
H0FM0MSD

Tgt Ion: 96 Resp: 37210

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 169.8 | 122.2 | 227.0 |
| 98 | 58.6 | 44.9 | 83.5 |

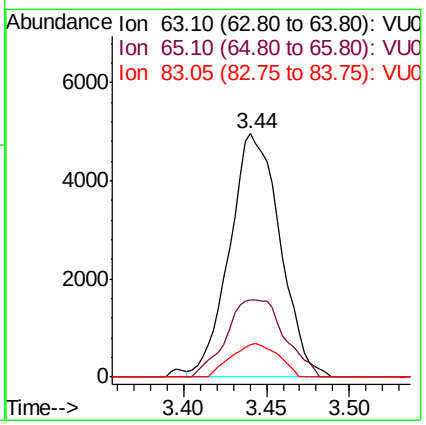


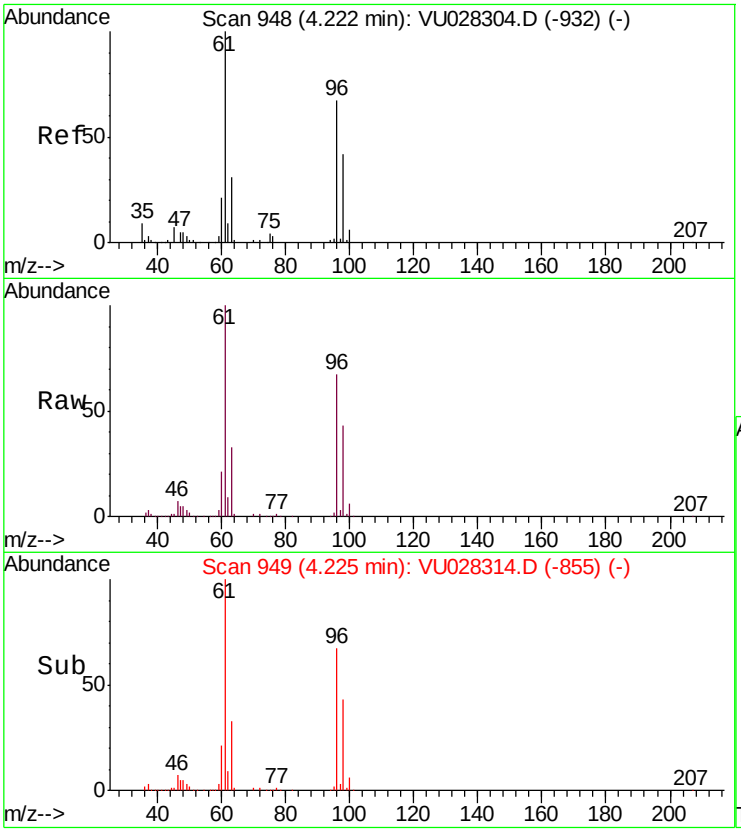




#19
1,1-Dichloroethane
Concen: 0.398 ug/L
RT: 3.44 min Scan# 705
Delta R.T. -0.00 min
Lab File: VU028314.D
Acq: 21 Nov 2018 13:04

Tgt Ion: 63 Resp: 10489

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.9 | 21.2 | 39.4 |
| 83 | 13.4 | 8.8 | 16.4 |



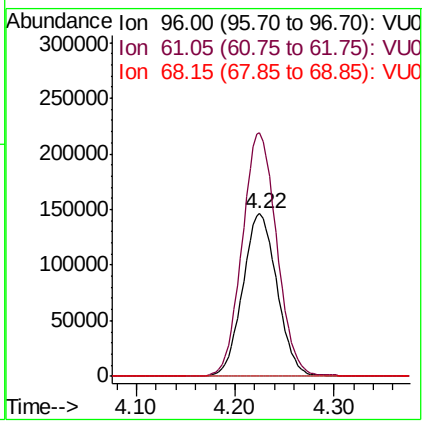


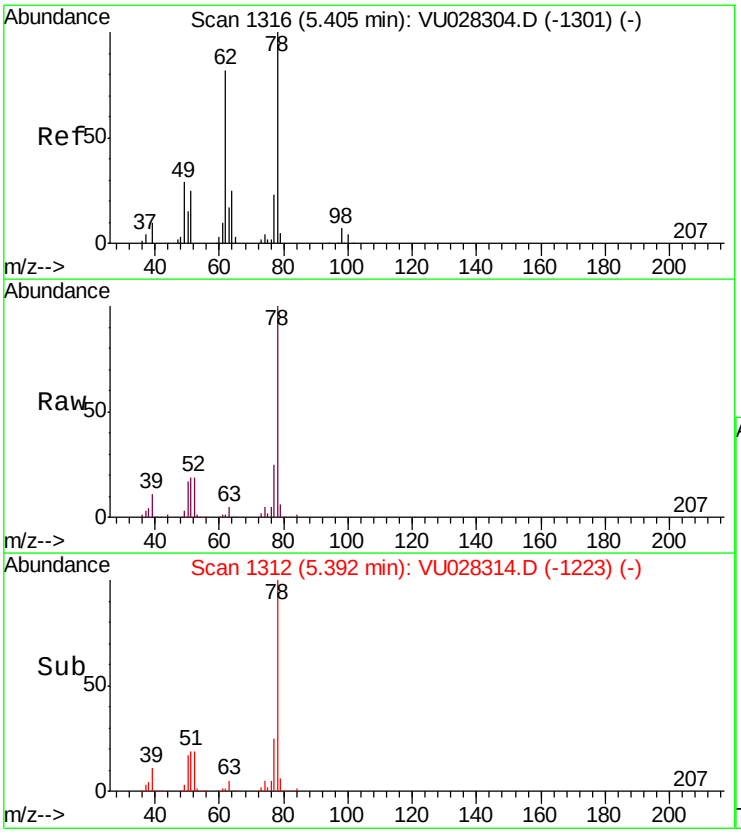

#22
cis-1,2-Dichloroethene
Concen: 26.226 ug/L
RT: 4.22 min Scan# 949
Delta R.T. 0.00 min
Lab File: VU028314.D
Acq: 21 Nov 2018 13:04

**Instrument :** MSVOA_U
**ClientSampleId :** H0FM0MSD

Tgt Ion: 96 Resp: 351970

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 149.7 | 108.0 | 200.6 |
| 68 | 0.0 | 0.0 | 0.0 |

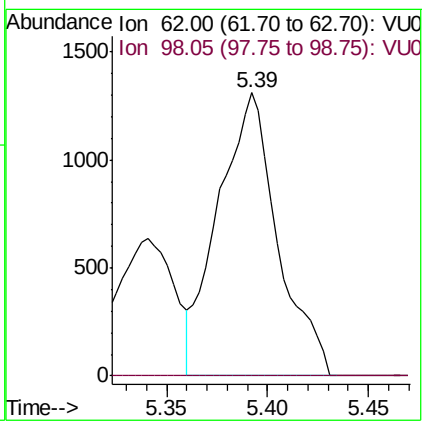


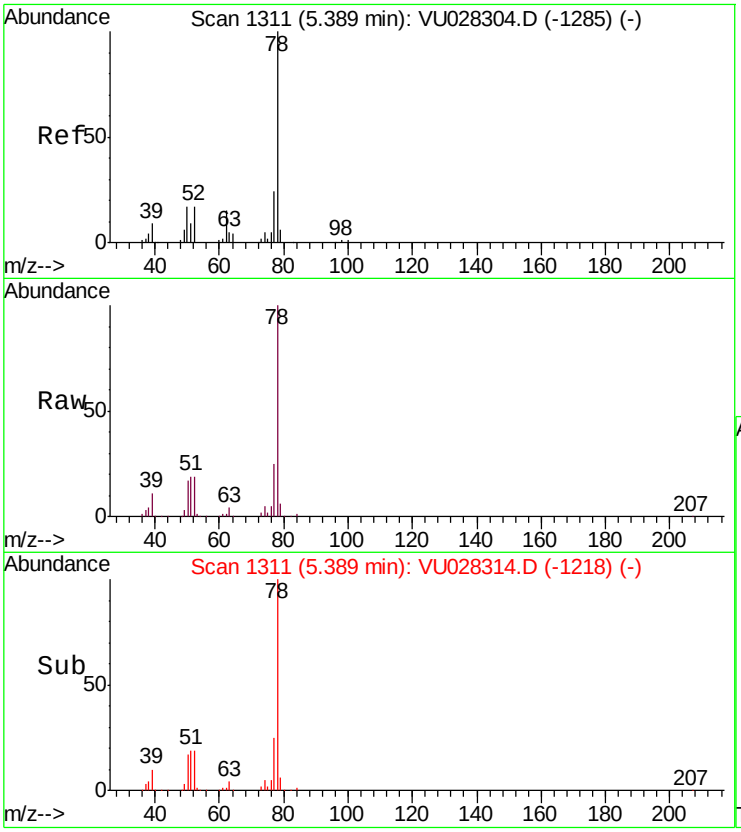




#27
1,2-Dichloroethane
Concen: 0.166 ug/L
RT: 5.39 min Scan# 1312
Delta R.T. -0.01 min
Lab File: VU028314.D
Acq: 21 Nov 2018 13:04

Tgt Ion: 62 Resp: 2697

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 0.0 | 6.2 | 9.4# |

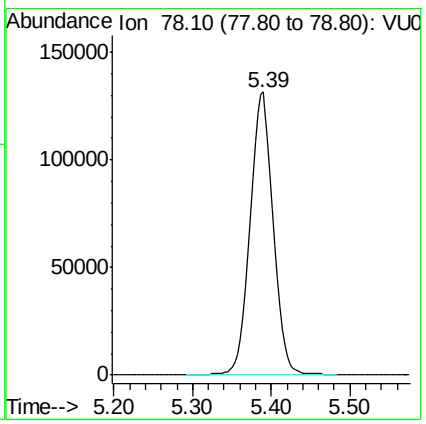


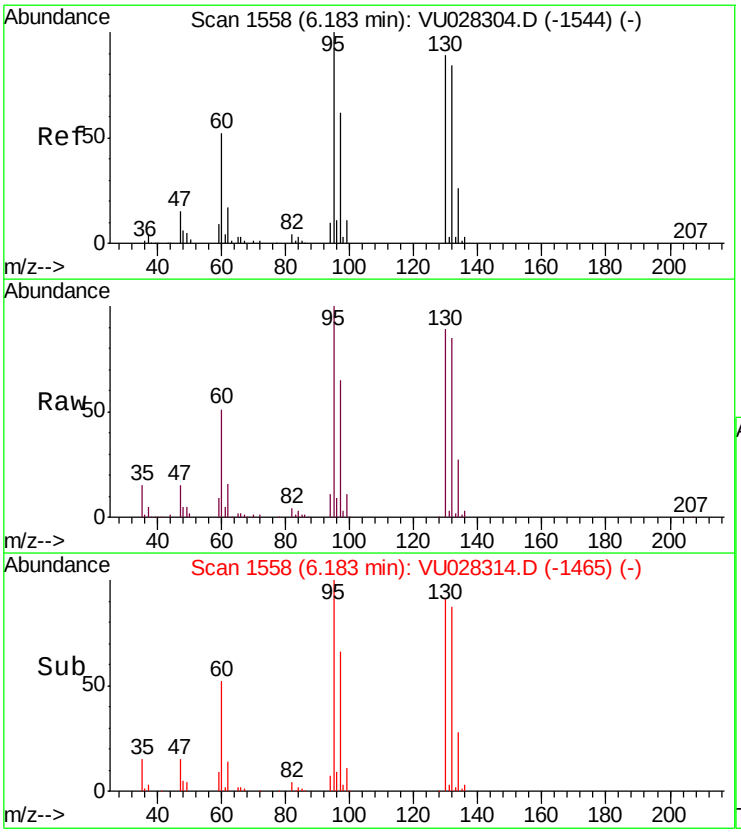



#33
Benzene
Concen: 5.149 ug/L
RT: 5.39 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VU028314.D
Acq: 21 Nov 2018 13:04

**Instrument :**
MSVOA_U
**ClientSampleId :**
H0FM0MSD

Tgt Ion: 78 Resp: 277855

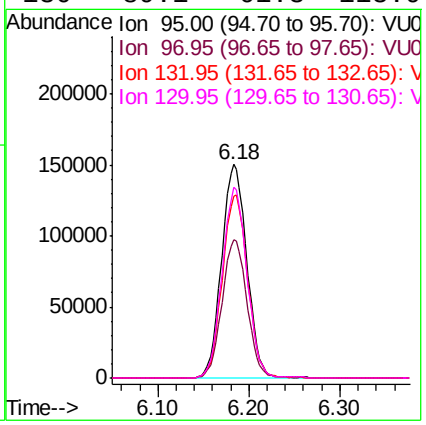


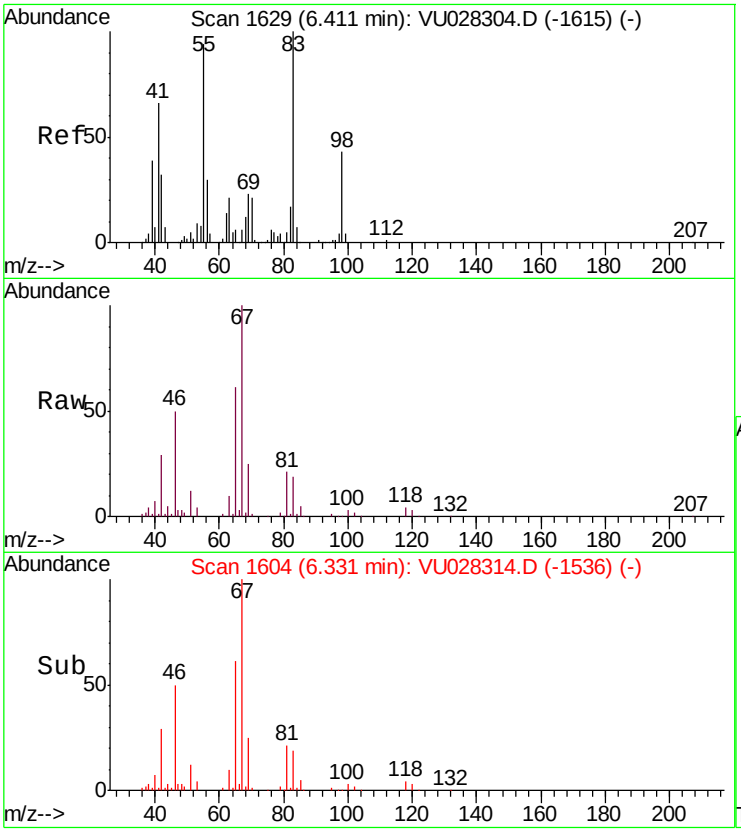




#34
Trichloroethene
Concen: 21.935 ug/L
RT: 6.18 min Scan# 1558
Delta R.T. 0.00 min
Lab File: VU028314.D
Acq: 21 Nov 2018 13:04

Tgt Ion: 95 Resp: 289809

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 64.9 | 46.5 | 86.3 |
| 132 | 85.4 | 58.9 | 109.3 |
| 130 | 89.1 | 61.3 | 113.9 |



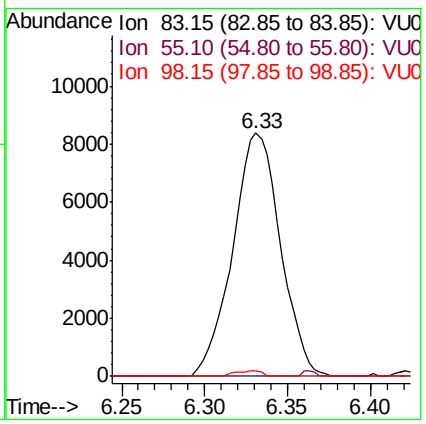


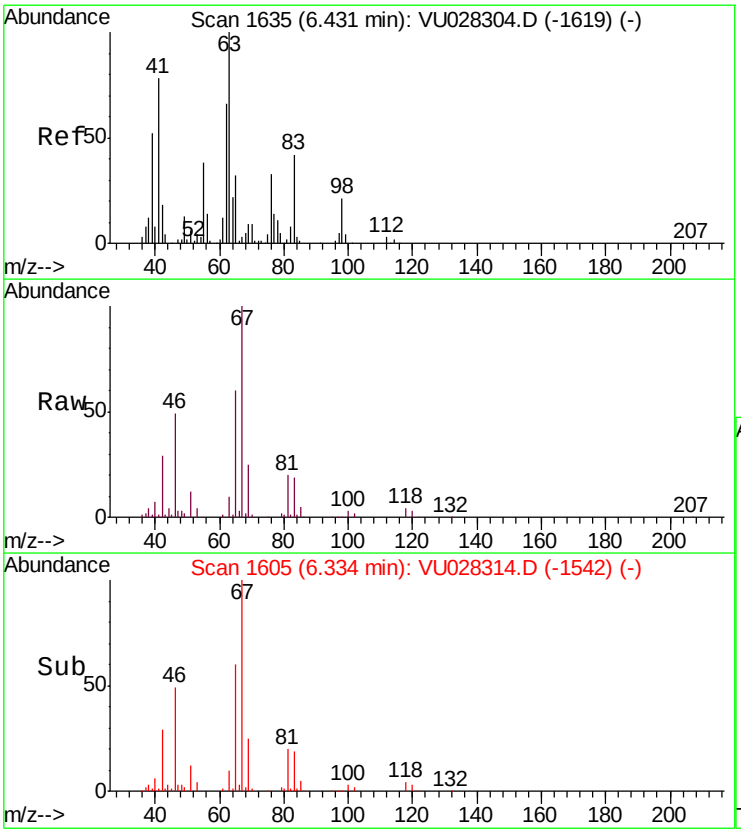

#35
Methylcyclohexane
Concen: 0.805 ug/L
RT: 6.33 min Scan# 1604
Delta R.T. -0.08 min
Lab File: VU028314.D
Acq: 21 Nov 2018 13:04

**Instrument :** MSVOA_U
**ClientSampleId :** H0FM0MSD

Tgt Ion: 83 Resp: 16766

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 0.6 | 73.2 | 109.8# |
| 98 | 0.0 | 33.4 | 50.2# |

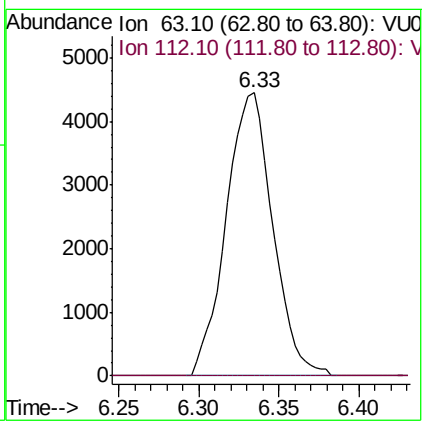


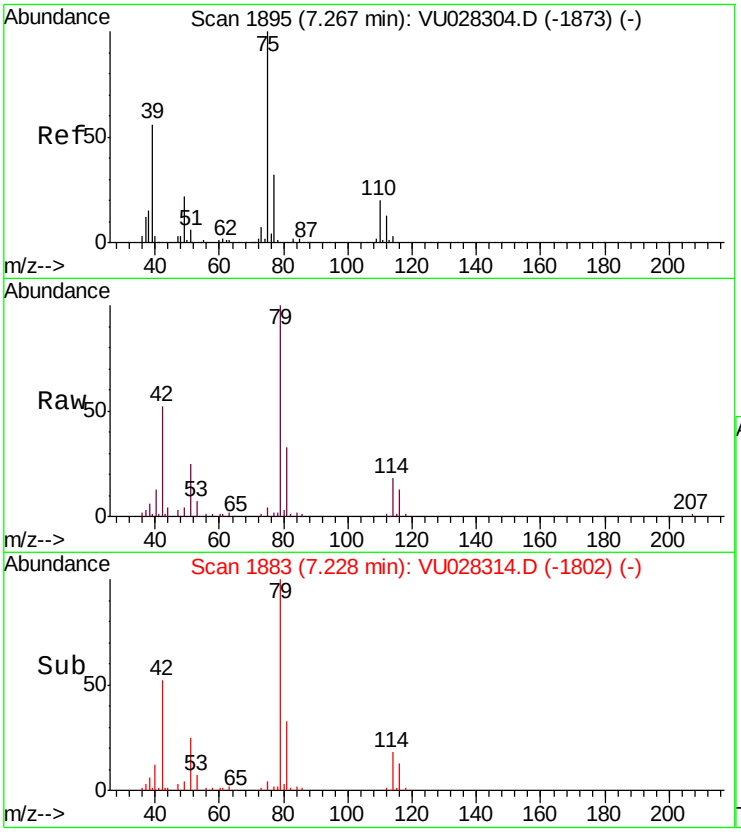




#37
1,2-Dichloropropane
Concen: 0.576 ug/L
RT: 6.33 min Scan# 1605
Delta R.T. -0.10 min
Lab File: VU028314.D
Acq: 21 Nov 2018 13:04

Tgt Ion: 63 Resp: 8867

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 0.0 | 2.2 | 3.2# |



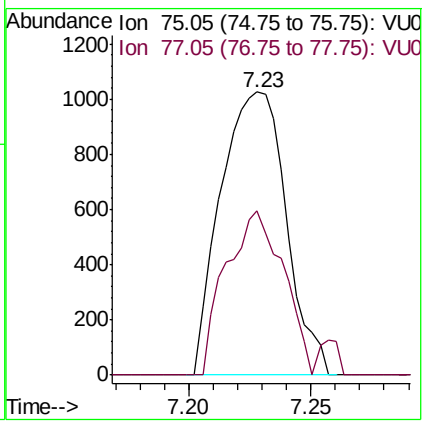


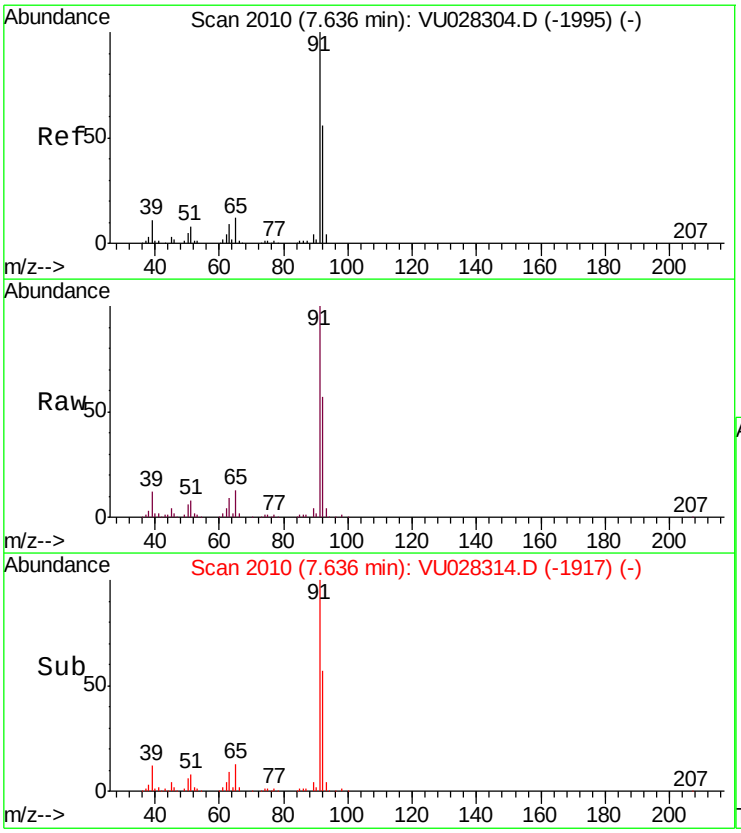

#39
cis-1,3-Dichloropropene
Concen: 0.098 ug/L
RT: 7.23 min Scan# 1883
Delta R.T. -0.04 min
Lab File: VU028314.D
Acq: 21 Nov 2018 13:04

**Instrument :**
MSVOA_U
**ClientSampleId :**
H0FM0MSD

Tgt Ion: 75 Resp: 1909

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 58.2 | 21.7 | 40.3# |

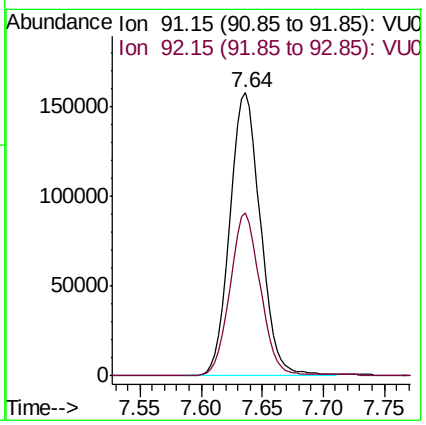


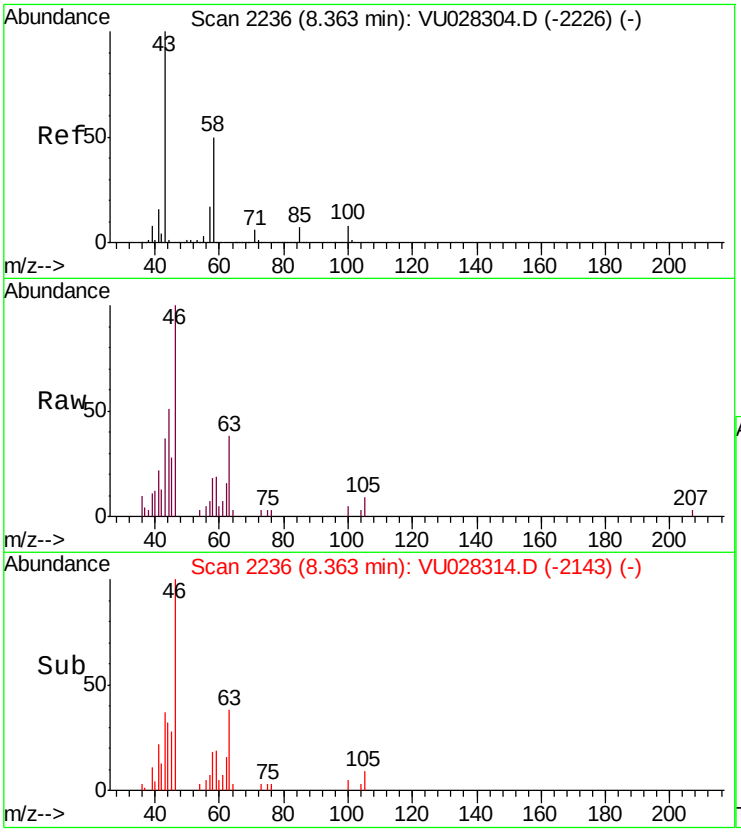




#42
Toluene
Concen: 5.035 ug/L
RT: 7.64 min Scan# 2010
Delta R.T. 0.00 min
Lab File: VU028314.D
Acq: 21 Nov 2018 13:04

Tgt Ion: 91 Resp: 275404

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 57.4 | 39.0 | 72.4 |



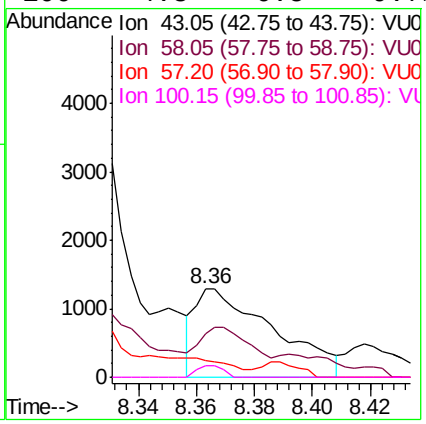


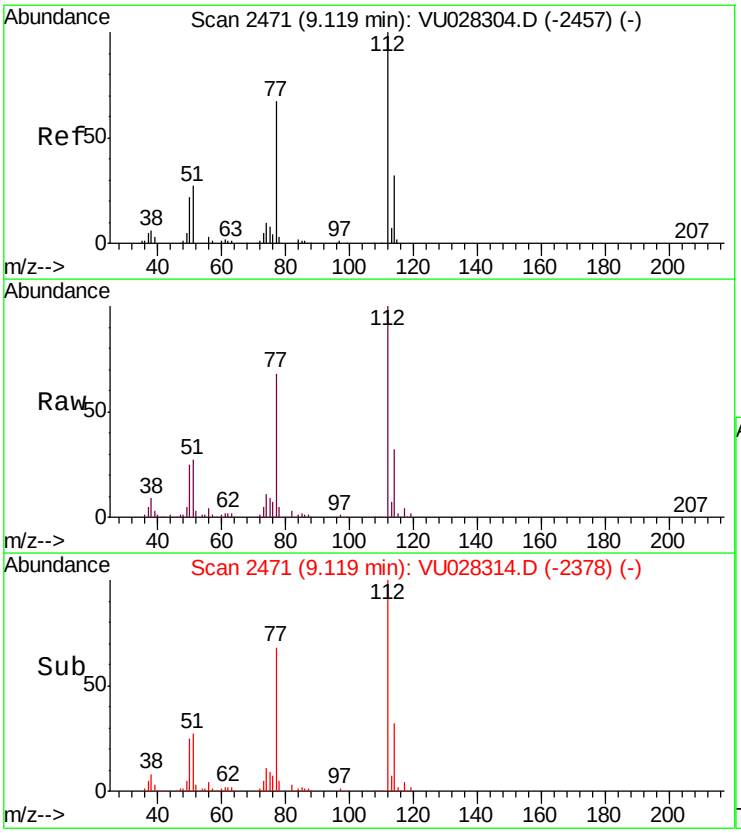

#48
2-Hexanone
Concen: 0.308 ug/L
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU028314.D
Acq: 21 Nov 2018 13:04

**Instrument :** MSVOA_U
**ClientSampleId :** H0FM0MSD

Tgt Ion: 43 Resp: 2420

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 20.8 | 41.1 | 61.7# |
| 57 | 8.8 | 13.8 | 20.8# |
| 100 | 4.3 | 6.5 | 9.7# |

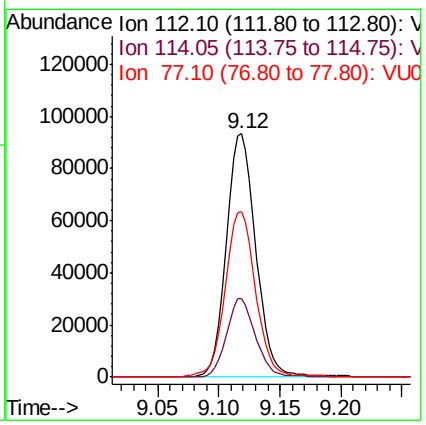


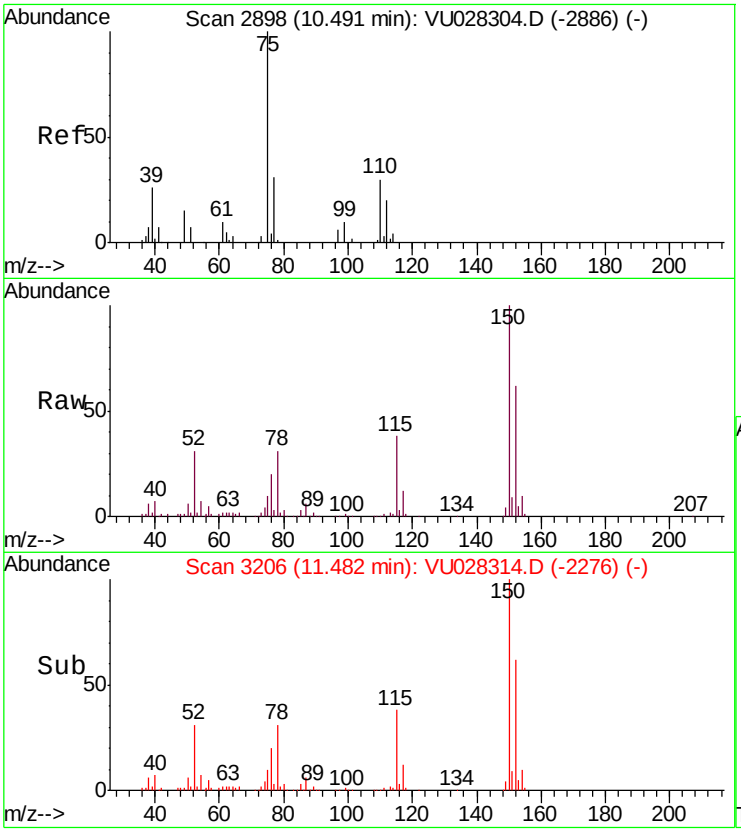




#51
Chlorobenzene
Concen: 5.024 ug/L
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU028314.D
Acq: 21 Nov 2018 13:04

Tgt Ion:112 Resp: 158251

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.2 | 22.3 | 41.5 |
| 77 | 67.9 | 52.4 | 78.6 |






#59
1,2,3-Trichloropropane
Concen: 1.259 ug/L
RT: 11.48 min Scan# 3206
Delta R.T. 0.99 min
Lab File: VU028314.D
Acq: 21 Nov 2018 13:04

**Instrument :**
MSVOA_U
**ClientSampleId :**
H0FM0MSD

Tgt Ion: 75 Resp: 11205

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 35.9 | 25.7 | 38.5 |