Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU010719\

Quantitation Report (Not Reviewed)

Data File : VU029047.D
Acq On : 07 Jan 2019 10:03
Operator : MD/SY
Sample : VU0107MBL01
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** VBLK47

Quant Time: Jan 08 01:40:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jan 08 01:37:07 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.88 | 114 | 191719 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.09 | 117 | 179416 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152 | 75080 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.40 | 65 | 78353 | 50.98 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 101.96% | | | |
| 7) Chloroethane-d5 | 1.67 | 69 | 61294 | 51.63 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 103.26% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.27 | 63 | 98399 | 38.07 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 76.14% | | | |
| 21) 2-Butanone-d5 | 4.17 | 46 | 106394 | 98.80 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 98.80% | | | |
| 24) Chloroform-d | 4.65 | 84 | 120966 | 50.05 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 100.10% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.31 | 65 | 76313 | 51.22 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 102.44% | | | |
| 32) Benzene-d6 | 5.34 | 84 | 266618 | 52.60 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 105.20% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.33 | 67 | 90282 | 52.43 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 104.86% | | | |
| 41) Toluene-d8 | 7.56 | 98 | 235389 | 51.25 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 102.50% | | | |
| 43) trans-1,3-Dichloropropene- | 7.85 | 79 | 39138 | 50.72 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 101.44% | | | |
| 47) 2-Hexanone-d5 | 8.31 | 63 | 76318 | 93.32 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 93.32% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43 | 84 | 118592 | 49.64 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 99.28% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.86 | 152 | 80090 | 52.74 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 105.48% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 8) Chloroethane | 1.40 | 64 | 982 | 0.916 | ug/L # | 1 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.27 | 101 | 876 | 0.705 | ug/L # | 20 |
| 12) 1,1-Dichloroethene | 2.27 | 96 | 818 | 0.665 | ug/L # | 1 |
| 37) 1,2-Dichloropropane | 6.33 | 63 | 8593 | 5.382 | ug/L # | 90 |
| 39) cis-1,3-Dichloropropene | 7.22 | 75 | 2109 | 0.926 | ug/L # | 71 |
| 44) trans-1,3-Dichloropropene | 7.85 | 75 | 1480 | 0.729 | ug/L | 87 |
| 59) 1,2,3-Trichloropropane | 11.48 | 75 | 8933 | 4.688 | ug/L | 98 |
| 68) 1,2,4-trichlorobenzene | 13.51 | 180 | 605 | 0.411 | ug/L # | 76 |
| 69) Naphthalene | 13.75 | 128 | 1922 | 0.376 | ug/L # | 70 |

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

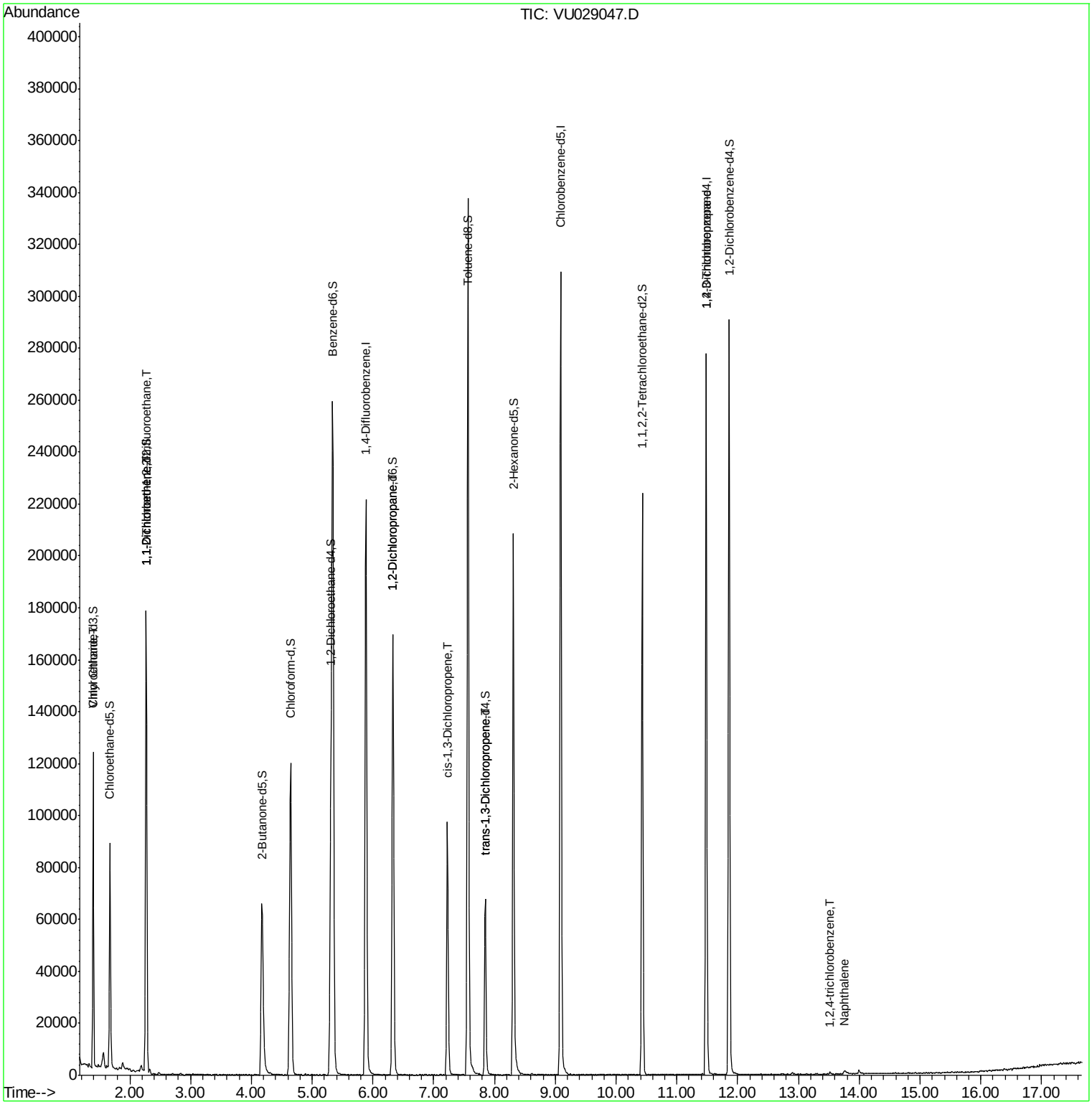
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU010719\

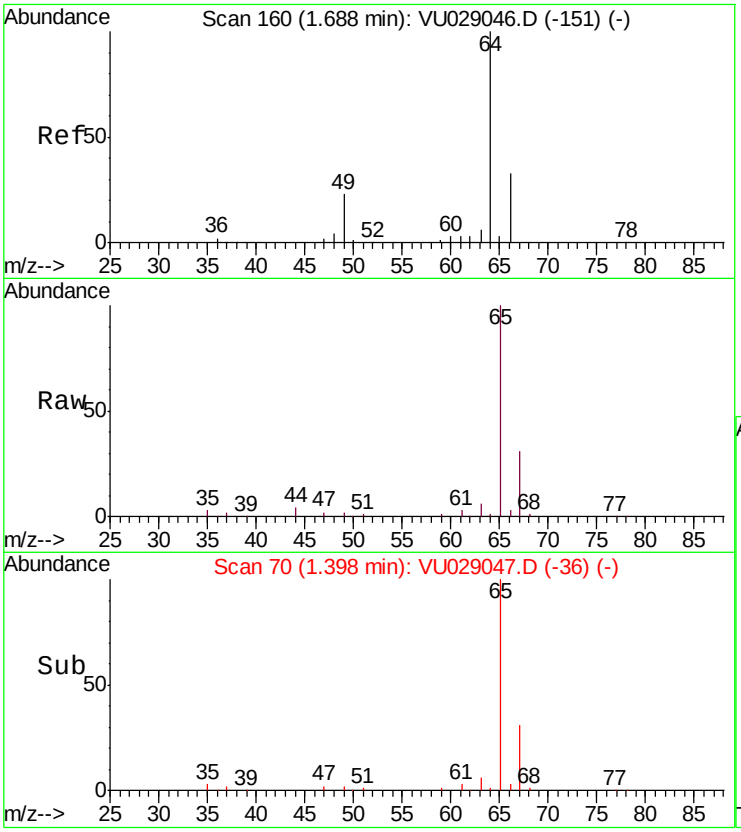
Quantitation Report (Not Reviewed)

Data File : VU029047.D
Acq On : 07 Jan 2019 10:03
Operator : MD/SY
Sample : VU0107MBL01
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** VBLK47

Quant Time: Jan 08 01:40:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jan 08 01:37:07 2019
Response via : Initial Calibration



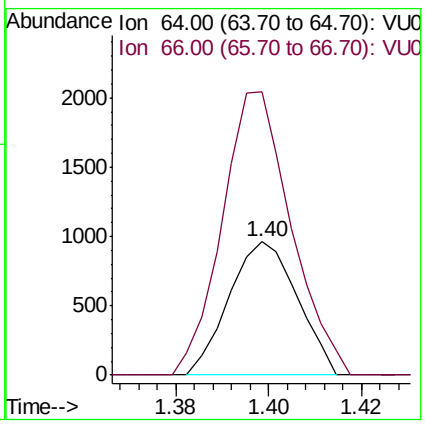


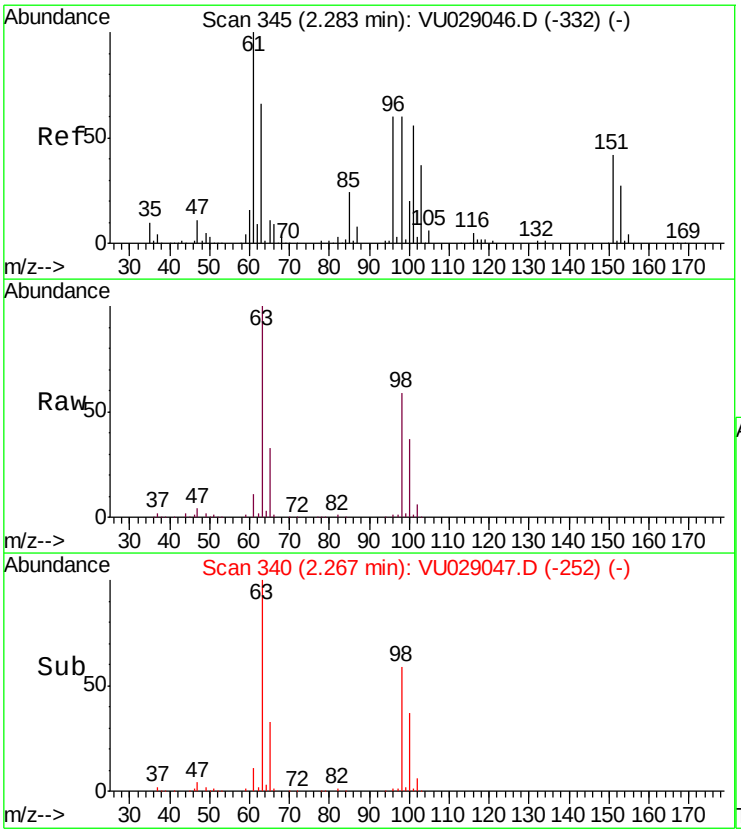

#8
Chloroethane
Concen: 0.916 ug/L
RT: 1.40 min Scan# 70
Delta R.T. -0.29 min
Lab File: VU029047.D
Acq: 07 Jan 2019 10:03

**Instrument :**
MSVOA_U
**ClientSampleId :**
VBLK47

Tgt Ion: 64 Resp: 982

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 212.0 | 21.5 | 39.9# |

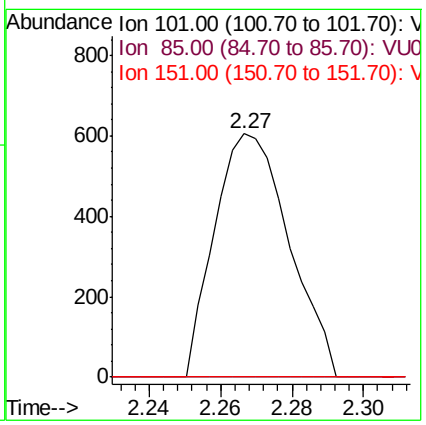


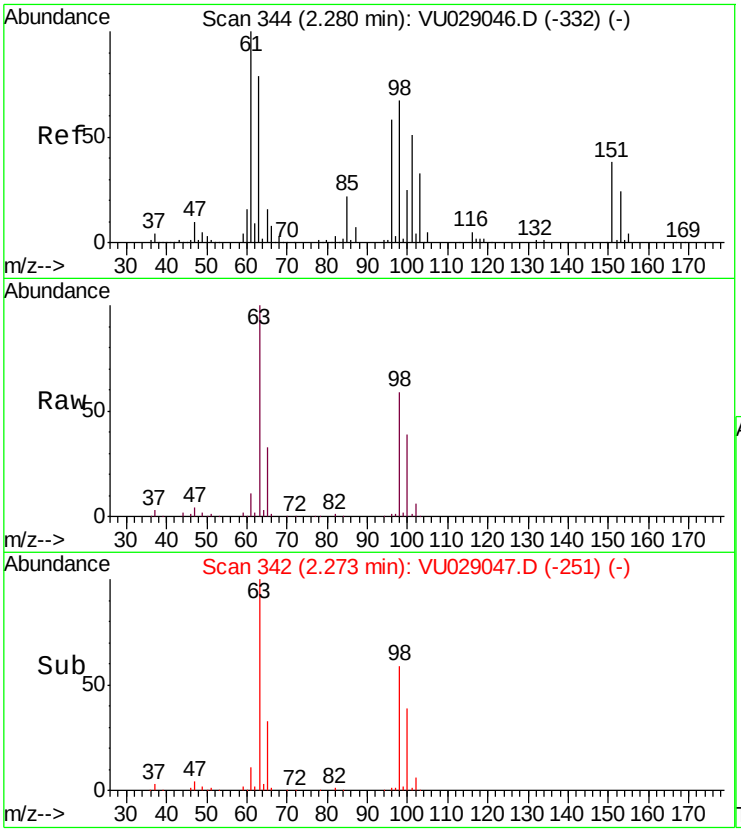




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.705 ug/L
RT: 2.27 min Scan# 340
Delta R.T. -0.02 min
Lab File: VU029047.D
Acq: 07 Jan 2019 10:03

Tgt Ion:101 Resp: 876

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 0.0 | 33.8 | 50.6# |
| 151 | 0.0 | 59.4 | 89.0# |



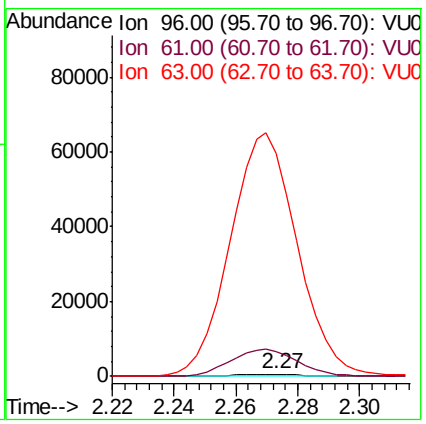


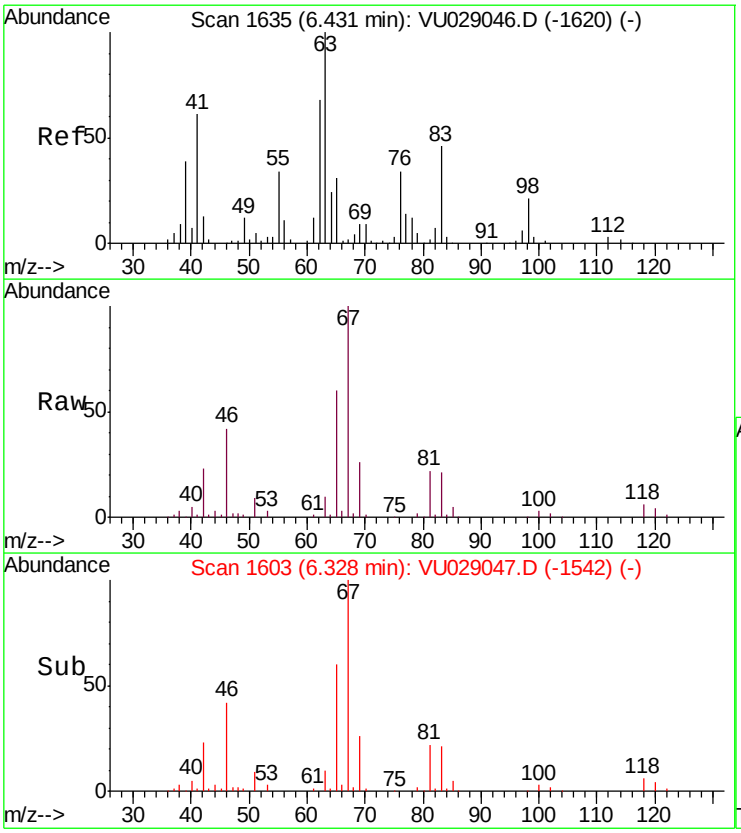

#12
1,1-Dichloroethene
Concen: 0.665 ug/L
RT: 2.27 min Scan# 342
Delta R.T. -0.01 min
Lab File: VU029047.D
Acq: 07 Jan 2019 10:03

**Instrument :** MSVOA_U
**ClientSampleId :** VBLK47

Tgt Ion: 96 Resp: 818

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 1282.2 | 119.3 | 221.5# |
| 63 | 11514.1 | 107.4 | 199.6# |

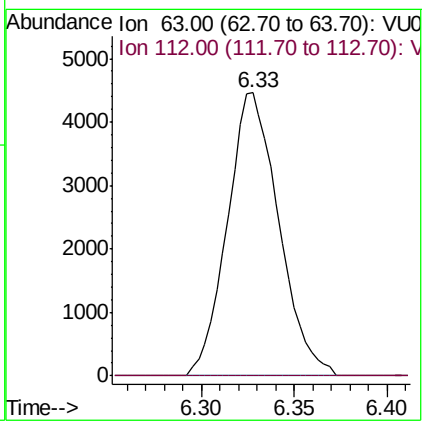


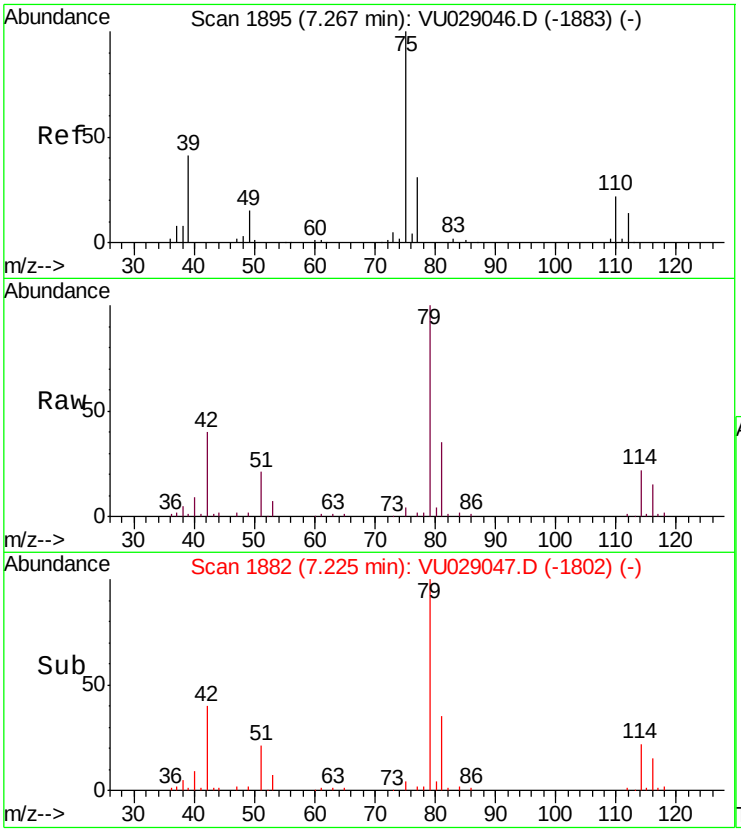




#37
1,2-Dichloropropane
Concen: 5.382 ug/L
RT: 6.33 min Scan# 1603
Delta R.T. -0.10 min
Lab File: VU029047.D
Acq: 07 Jan 2019 10:03

Tgt Ion: 63 Resp: 8593

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 0.0 | 2.7 | 4.1# |



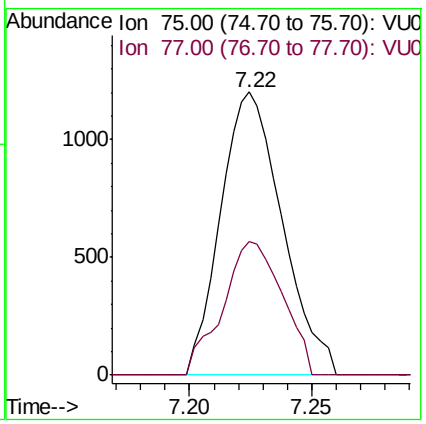


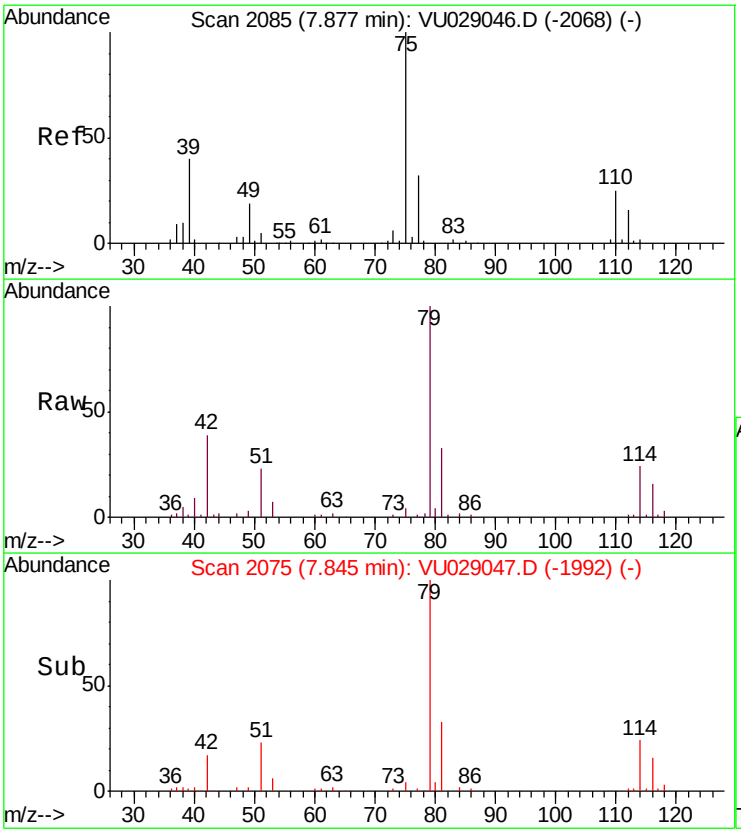

#39
cis-1,3-Dichloropropene
Concen: 0.926 ug/L
RT: 7.22 min Scan# 1882
Delta R.T. -0.04 min
Lab File: VU029047.D
Acq: 07 Jan 2019 10:03

**Instrument :**
MSVOA_U
**ClientSampleId :**
VBLK47

Tgt Ion: 75 Resp: 2109

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 47.4 | 21.8 | 40.6# |

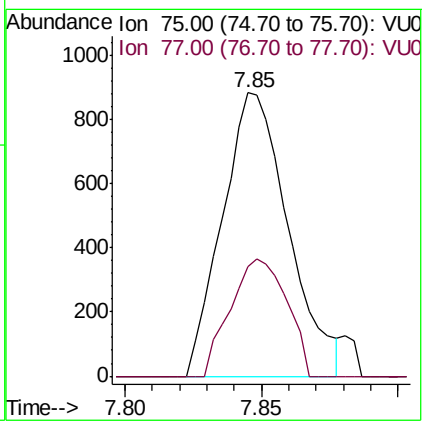


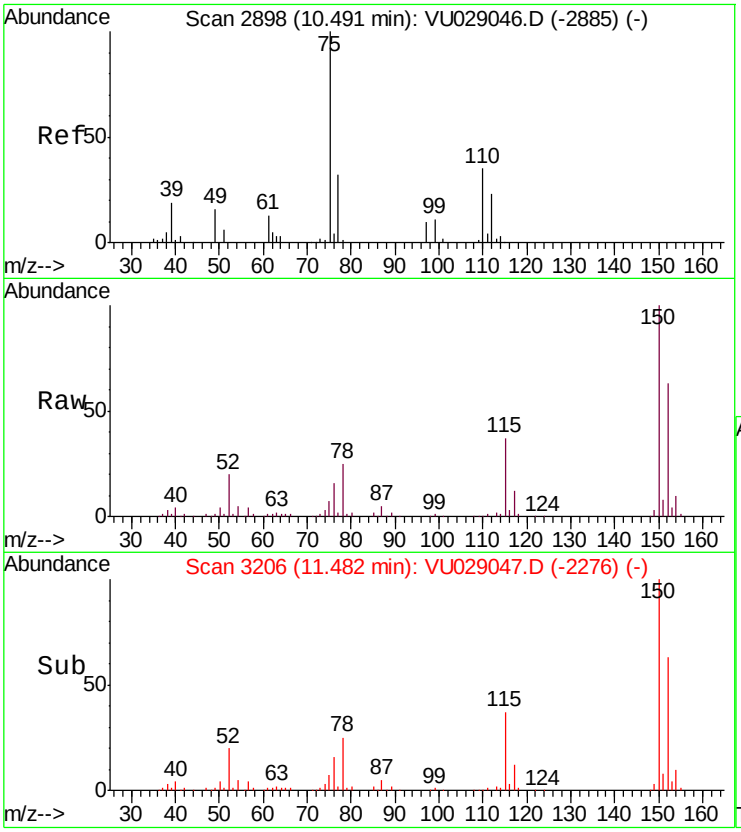




#44
trans-1,3-Dichloropropene
Concen: 0.729 ug/L
RT: 7.85 min Scan# 2075
Delta R.T. -0.03 min
Lab File: VU029047.D
Acq: 07 Jan 2019 10:03

Tgt Ion: 75 Resp: 1480

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 38.5 | 21.8 | 40.6 |



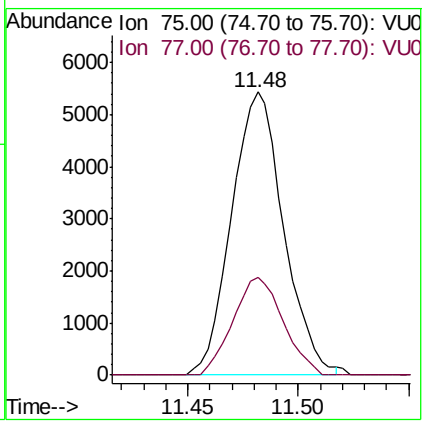


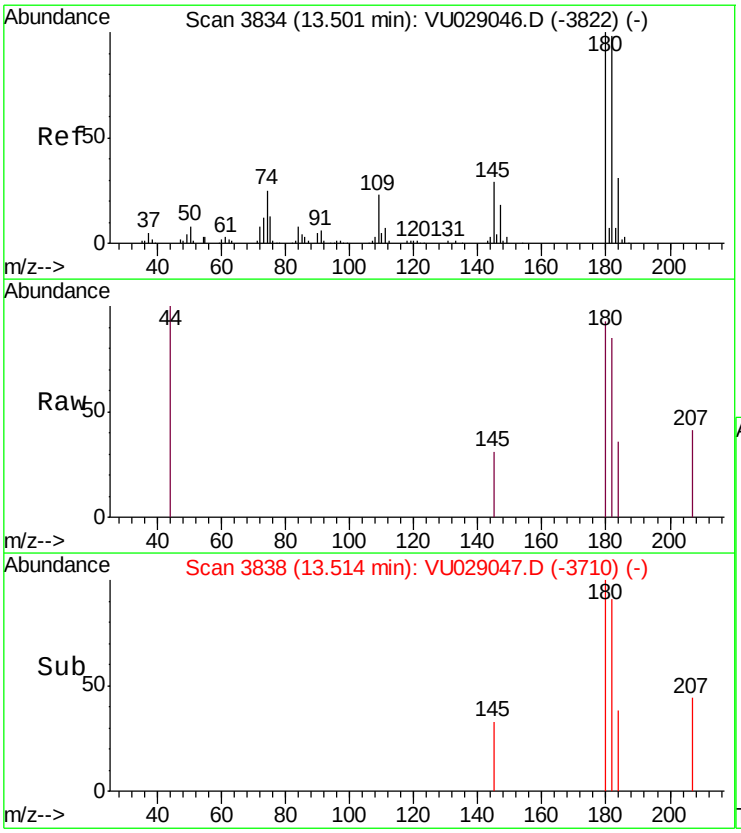

#59
1,2,3-Trichloropropane
Concen: 4.688 ug/L
RT: 11.48 min Scan# 3206
Delta R.T. 0.99 min
Lab File: VU029047.D
Acq: 07 Jan 2019 10:03

**Instrument :** MSVOA_U
**ClientSampleId :** VBLK47

Tgt Ion: 75 Resp: 8933

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 33.1 | 25.5 | 38.3 |

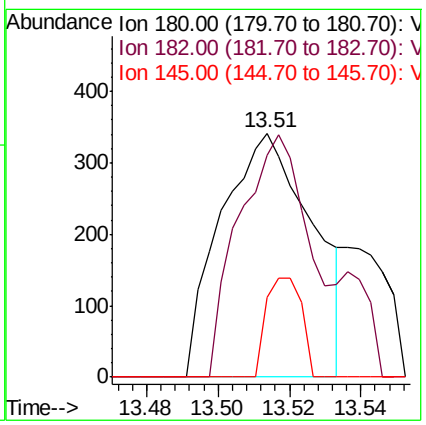


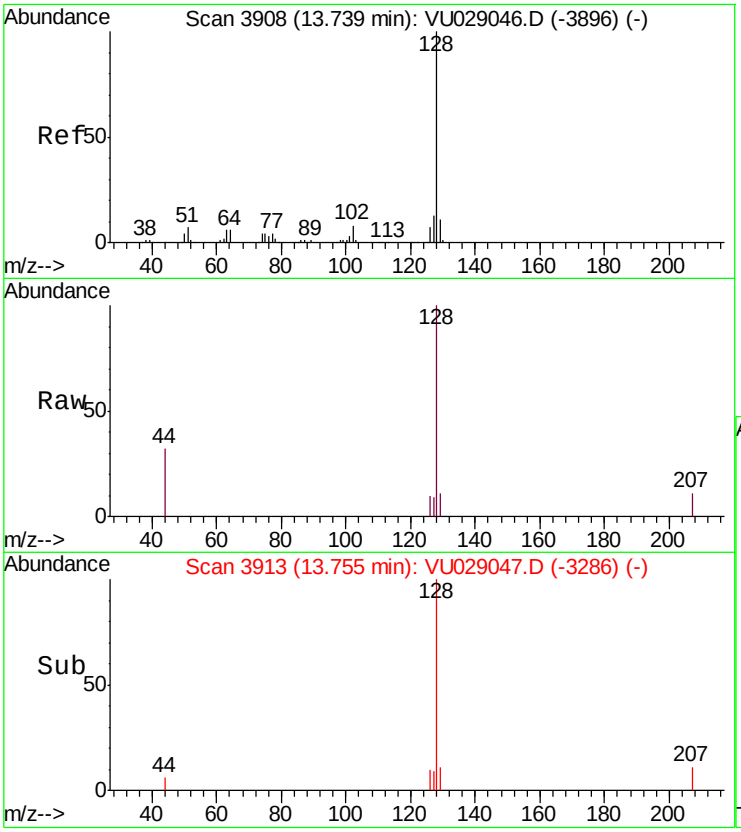




#68
1,2,4-trichlorobenzene
Concen: 0.411 ug/L
RT: 13.51 min Scan# 3838
Delta R.T. 0.01 min
Lab File: VU029047.D
Acq: 07 Jan 2019 10:03

Tgt Ion:180 Resp: 605

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 74.2 | 77.4 | 116.0# |
| 145 | 15.7 | 23.5 | 35.3# |






#69
Naphthalene
Concen: 0.376 ug/L
RT: 13.75 min Scan# 3913
Delta R.T. 0.02 min
Lab File: VU029047.D
Acq: 07 Jan 2019 10:03

**Instrument :**
MSVOA_U
**ClientSampleId :**
VBLK47

Tgt Ion:128 Resp: 1922

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 1.0 | 10.5 | 15.7# |
| 129 | 0.0 | 8.7 | 13.1# |