Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU082019\

Quantitation Report (Not Reviewed)

Data File : VU033854.D
Acq On : 20 Aug 2019 15:20
Operator : JC/SP
Sample : K4395-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** C0AJ5

Quant Time: Aug 21 05:46:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR082019WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Aug 21 05:39:59 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.86 | 114 | 187336 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.07 | 117 | 189326 | 5.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.47 | 152 | 89181 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.39 | 65 | 66824 | 4.19 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 83.80% | | | |
| 7) Chloroethane-d5 | 1.67 | 69 | 61469 | 4.32 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 86.40% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.26 | 63 | 113330 | 3.54 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 70.80% | | | |
| 20) 2-Butanone-d5 | 4.17 | 46 | 136443 | 43.11 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 86.22% | | | |
| 24) Chloroform-d | 4.62 | 84 | 117891 | 4.43 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 88.60% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.29 | 65 | 64150 | 4.47 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 89.40% | | | |
| 32) Benzene-d6 | 5.32 | 84 | 234450 | 4.95 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 99.00% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.31 | 67 | 74530 | 4.82 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 96.40% | | | |
| 41) Toluene-d8 | 7.55 | 98 | 202172 | 4.58 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 91.60% | | | |
| 43) trans-1,3-Dichloropropene- | 7.84 | 79 | 26295 | 4.43 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 88.60% | | | |
| 46) 2-Hexanone-d5 | 8.30 | 63 | 84640 | 39.97 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 79.94% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.41 | 84 | 59479 | 4.47 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 89.40% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.84 | 152 | 82000 | 5.30 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 106.00% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 8) Chloroethane | 1.68 | 64 | 1562 | 0.144 | ug/L # | 54 |
| 13) Acetone | 2.31 | 43 | 19922 | 8.234 | ug/L | 96 |
| 14) Carbon disulfide | 2.46 | 76 | 6212 | 0.140 | ug/L | 99 |
| 15) Methyl Acetate | 2.43 | 43 | 5941 | 0.980 | ug/L # | 54 |
| 16) Methylene chloride | 2.68 | 84 | 1753 | 0.115 | ug/L # | 81 |
| 25) Chloroform | 4.65 | 83 | 4077 | 0.174 | ug/L # | 75 |
| 35) Methylcyclohexane | 6.31 | 83 | 17407 | 1.118 | ug/L # | 17 |
| 37) 1,2-Dichloropropane | 6.31 | 63 | 7876 | 0.716 | ug/L # | 89 |
| 42) Toluene | 7.62 | 91 | 4189 | 0.098 | ug/L | 99 |
| 44) trans-1,3-Dichloropropene | 7.84 | 75 | 1127 | 0.093 | ug/L | 92 |
| 48) 2-Hexanone | 8.35 | 43 | 6864 | 1.614 | ug/L # | 81 |
| 59) 1,2,3-Trichloropropane | 11.47 | 75 | 10144 | 1.408 | ug/L # | 88 |
| 69) Naphthalene | 13.73 | 128 | 17306 | 1.089 | ug/L # | 96 |

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

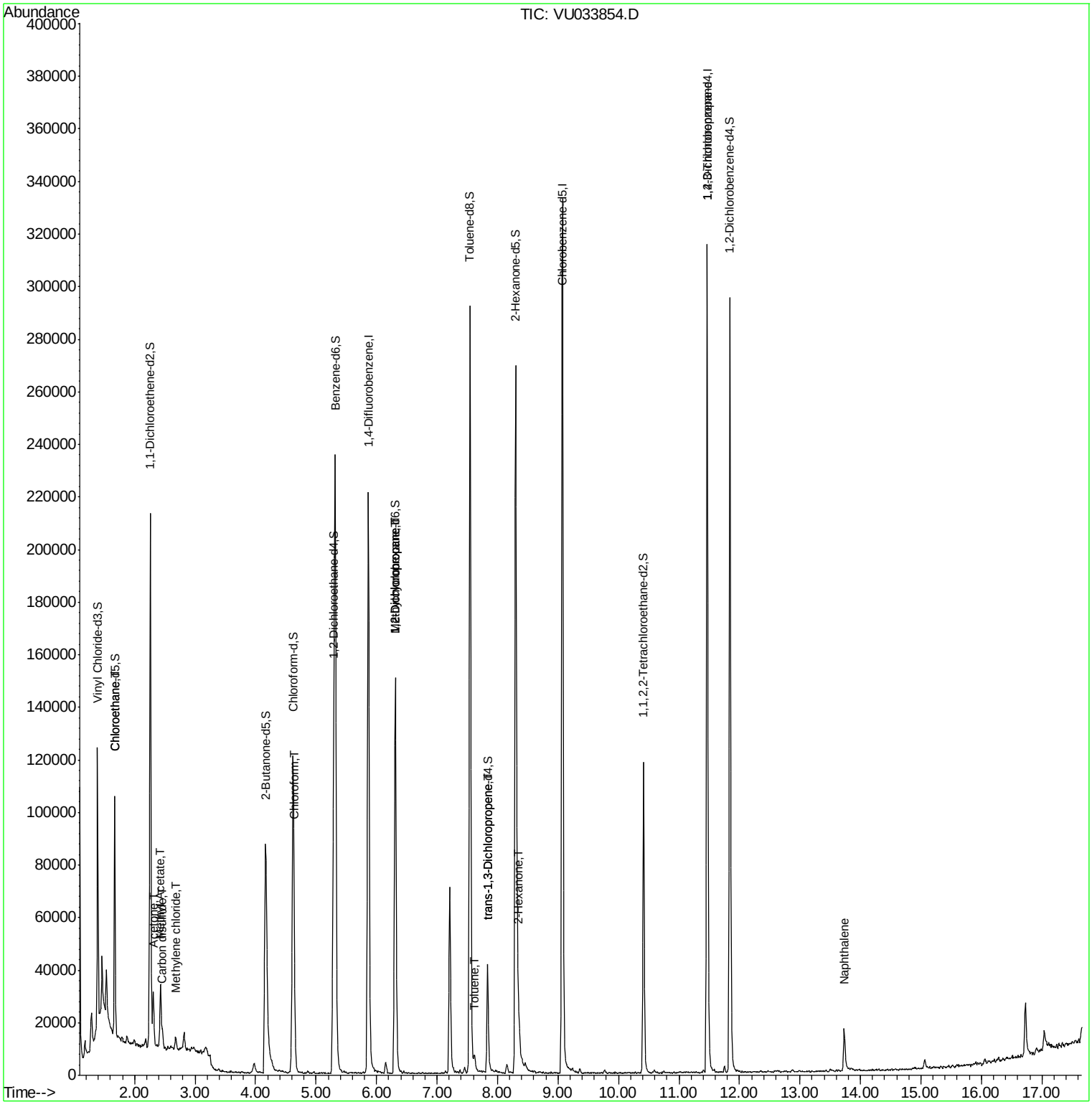
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU082019\

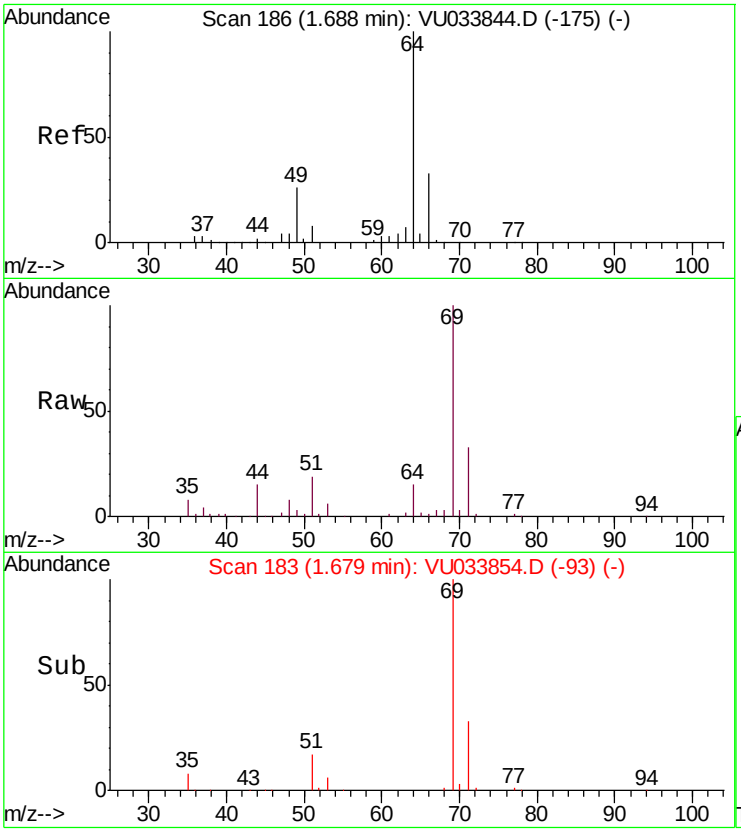
Quantitation Report (Not Reviewed)

Data File : VU033854.D
Acq On : 20 Aug 2019 15:20
Operator : JC/SP
Sample : K4395-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0AJ5

Quant Time: Aug 21 05:46:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR082019WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Aug 21 05:39:59 2019
Response via : Initial Calibration



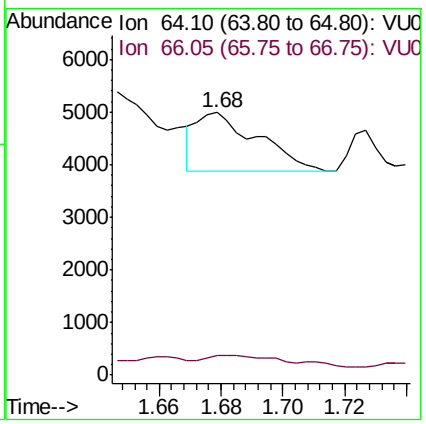


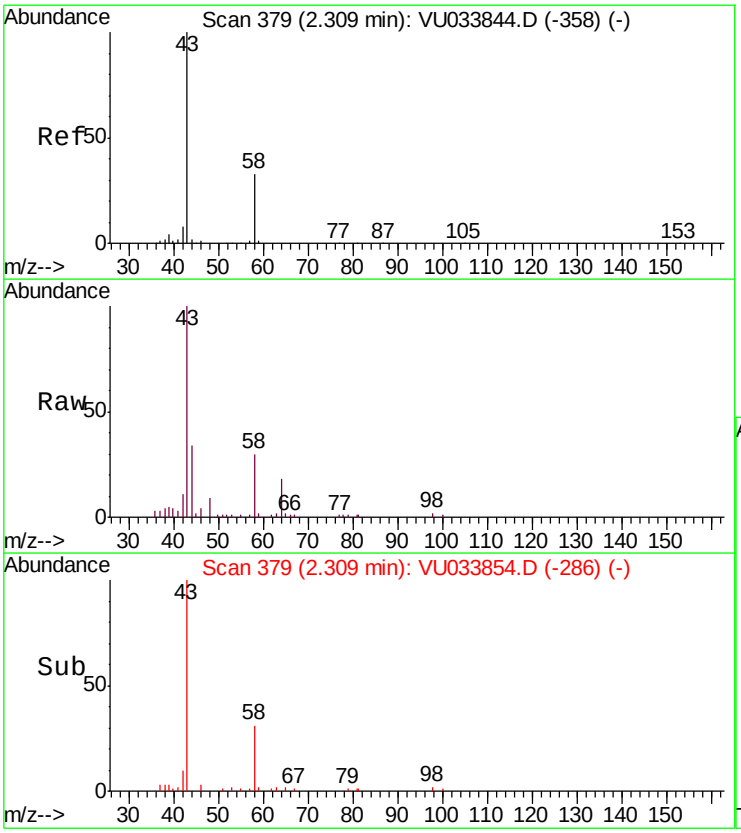

#8
Chloroethane
Concen: 0.144 ug/L
RT: 1.68 min Scan# 183
Delta R.T. -0.01 min
Lab File: VU033854.D
Acq: 20 Aug 2019 15:20

**Instrument :** MSVOA_U
**ClientSampleId :** C0AJ5

Tgt Ion: 64 Resp: 1562

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 7.4 | 23.3 | 43.3# |

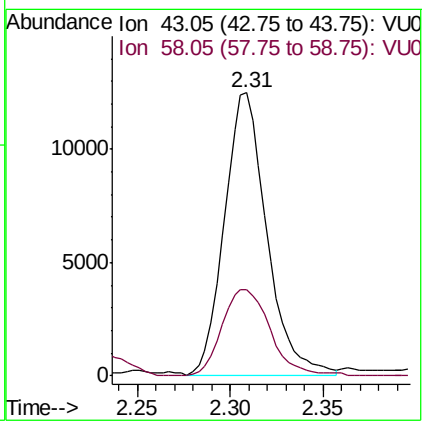


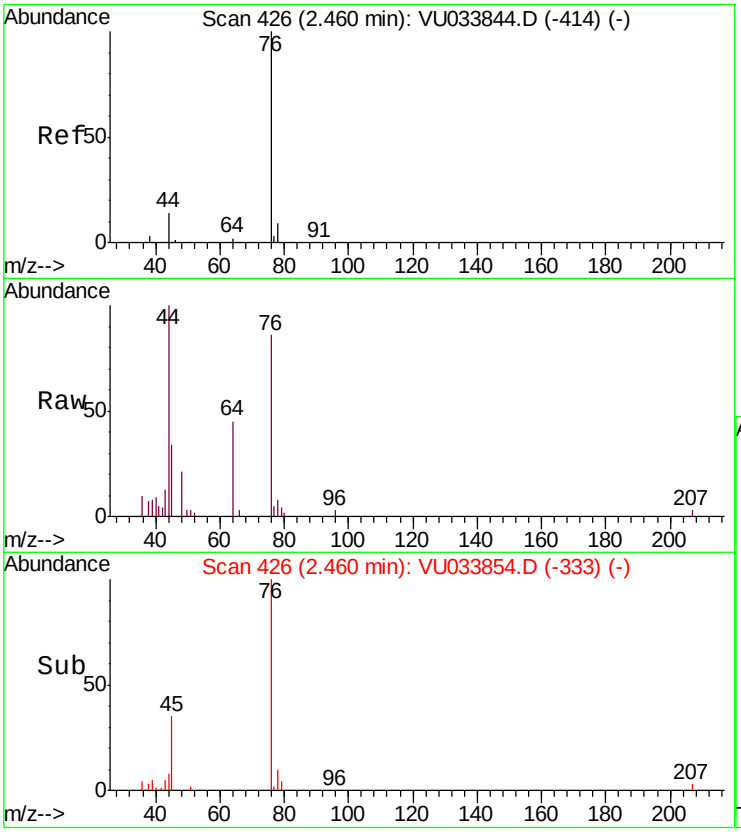




#13
Acetone
Concen: 8.234 ug/L
RT: 2.31 min Scan# 379
Delta R.T. -0.00 min
Lab File: VU033854.D
Acq: 20 Aug 2019 15:20

Tgt Ion: 43 Resp: 19922

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 34.8 | 0.0 | 65.4 |



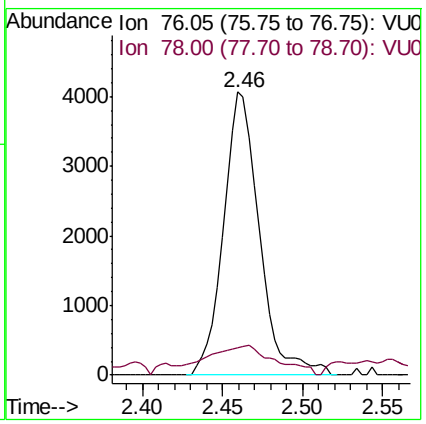


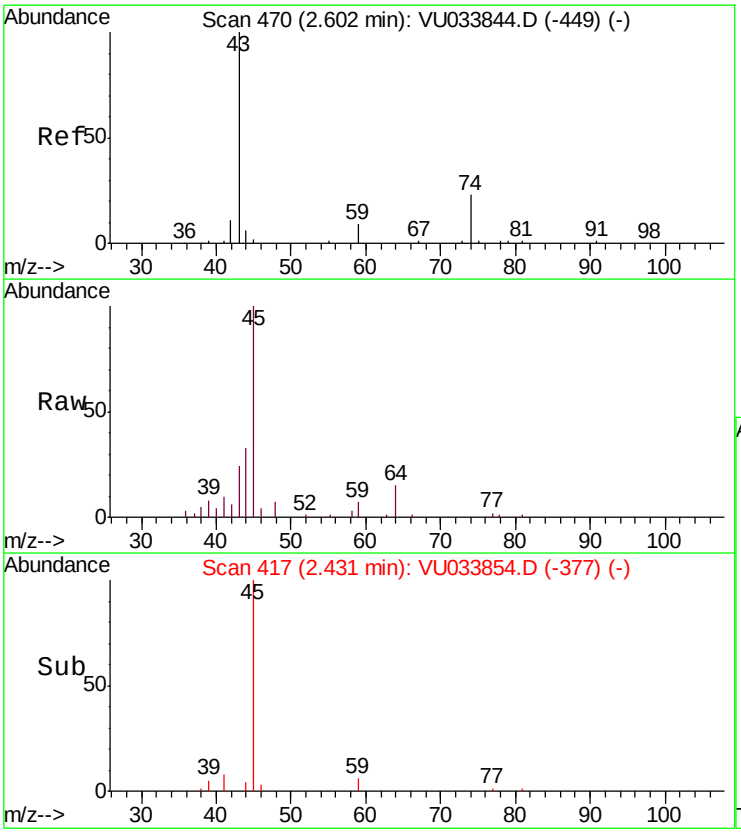

#14
Carbon disulfide
Concen: 0.140 ug/L
RT: 2.46 min Scan# 426
Delta R.T. -0.00 min
Lab File: VU033854.D
Acq: 20 Aug 2019 15:20

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0AJ5

Tgt Ion: 76 Resp: 6212

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.8 | 7.7 | 11.5 |

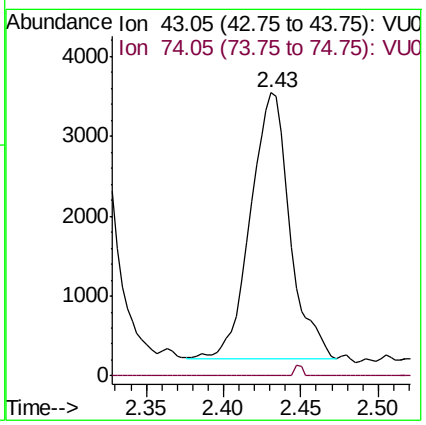


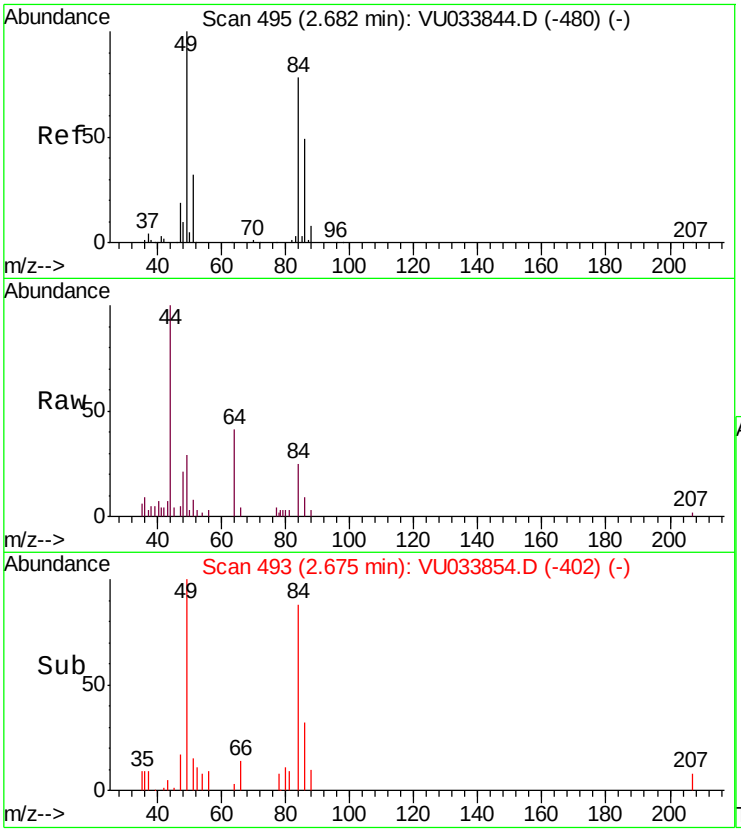




#15
Methyl Acetate
Concen: 0.980 ug/L
RT: 2.43 min Scan# 417
Delta R.T. -0.17 min
Lab File: VU033854.D
Acq: 20 Aug 2019 15:20

Tgt Ion: 43 Resp: 5941

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 0.8 | 18.6 | 28.0# |



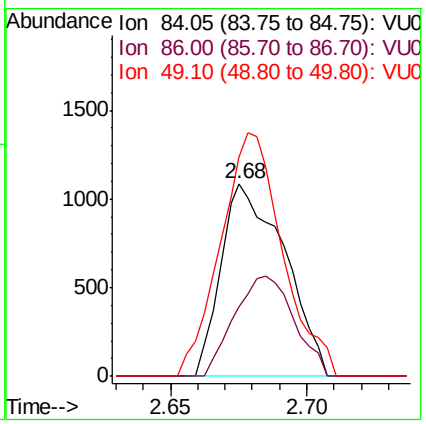


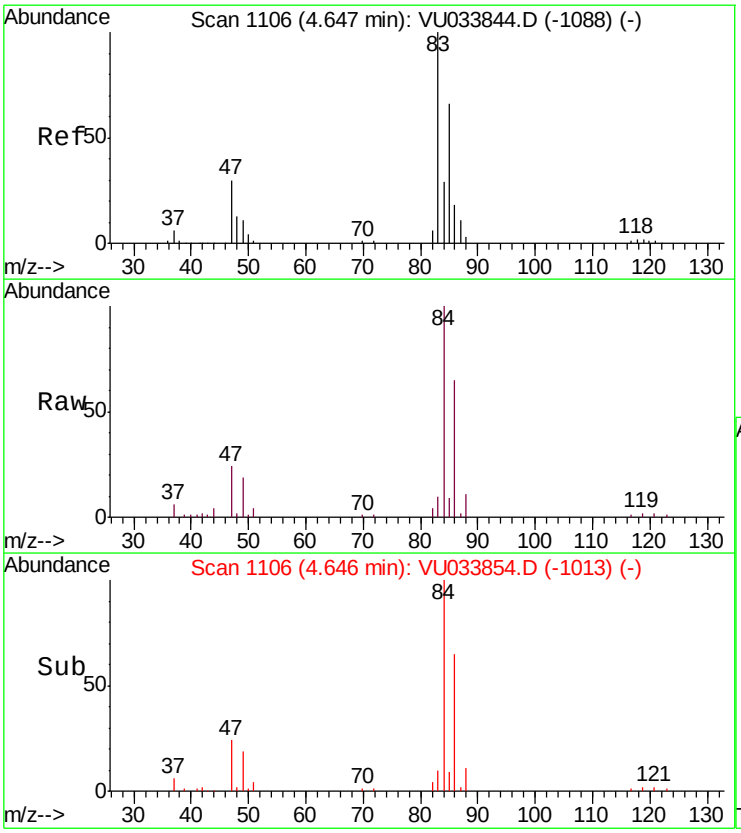

#16
Methylene chloride
Concen: 0.115 ug/L
RT: 2.68 min Scan# 493
Delta R.T. -0.01 min
Lab File: VU033854.D
Acq: 20 Aug 2019 15:20

**Instrument :** MSVOA_U
**ClientSampleId :** C0AJ5

Tgt Ion: 84 Resp: 1753

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 36.3 | 43.8 | 81.3# |
| 49 | 114.2 | 89.5 | 166.3 |

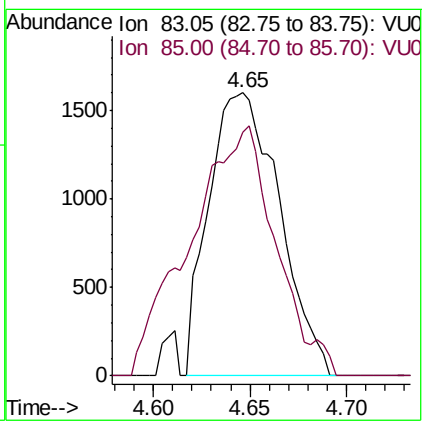


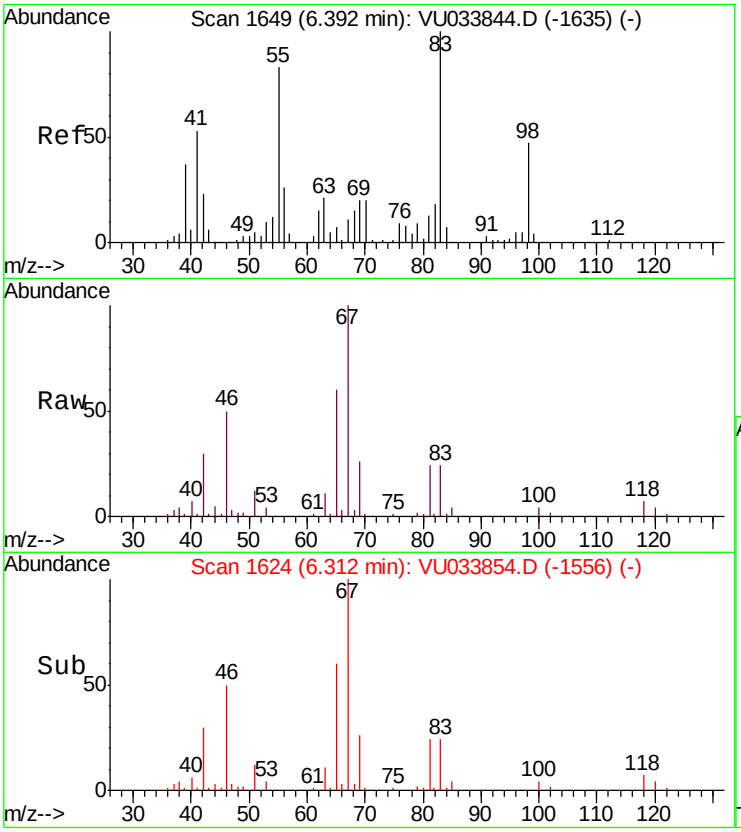




#25
Chloroform
Concen: 0.174 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU033854.D
Acq: 20 Aug 2019 15:20

Tgt Ion: 83 Resp: 4077

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 86.1 | 46.3 | 85.9# |



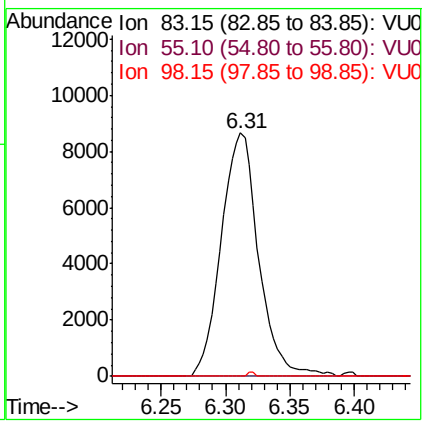


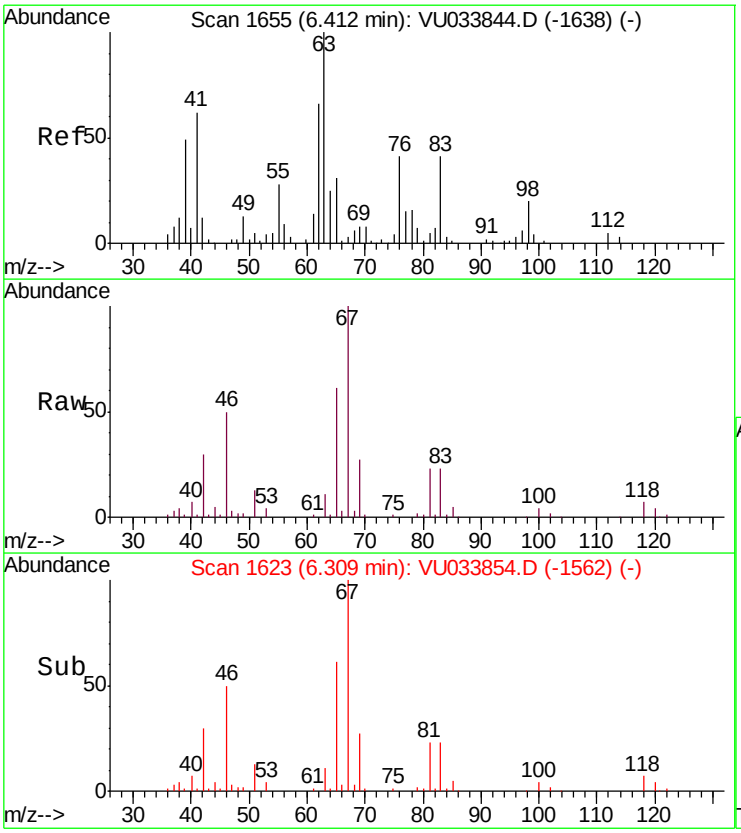

#35
Methylcyclohexane
Concen: 1.118 ug/L
RT: 6.31 min Scan# 1624
Delta R.T. -0.08 min
Lab File: VU033854.D
Acq: 20 Aug 2019 15:20

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0AJ5

Tgt Ion: 83 Resp: 17407

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 0.0 | 64.3 | 96.5# |
| 98 | 0.3 | 37.4 | 56.0# |

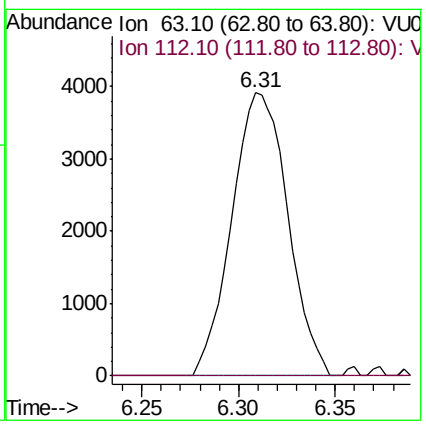


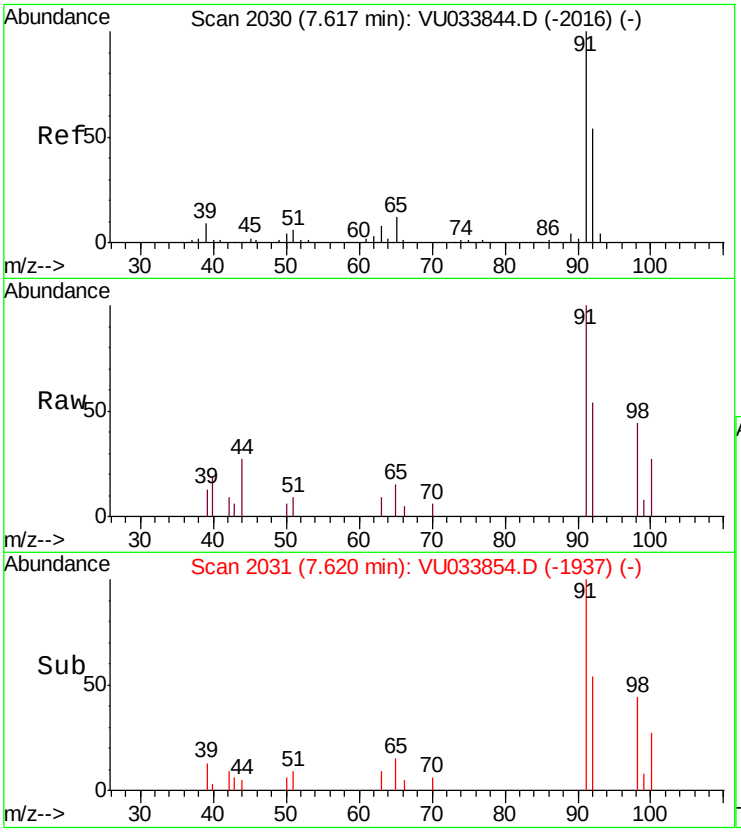




#37
1,2-Dichloropropane
Concen: 0.716 ug/L
RT: 6.31 min Scan# 1623
Delta R.T. -0.10 min
Lab File: VU033854.D
Acq: 20 Aug 2019 15:20

Tgt Ion: 63 Resp: 7876

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 0.9 | 3.5 | 5.3# |



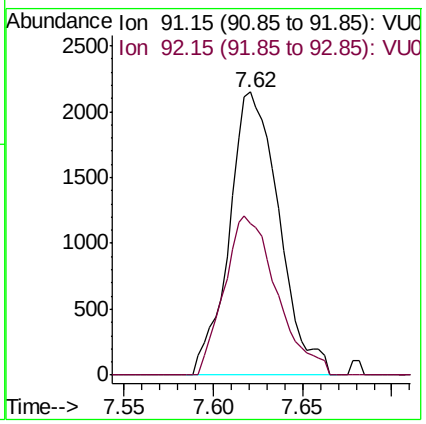


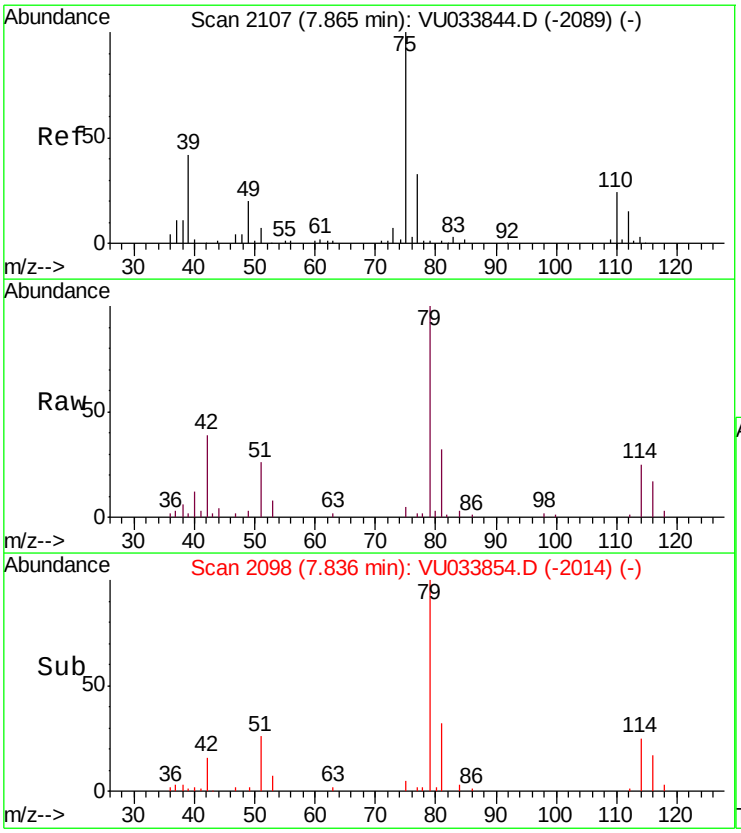

#42
Toluene
Concen: 0.098 ug/L
RT: 7.62 min Scan# 2031
Delta R.T. 0.00 min
Lab File: VU033854.D
Acq: 20 Aug 2019 15:20

**Instrument :** MSVOA_U
**ClientSampleId :** C0AJ5

Tgt Ion: 91 Resp: 4189

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.5 | 38.1 | 70.7 |

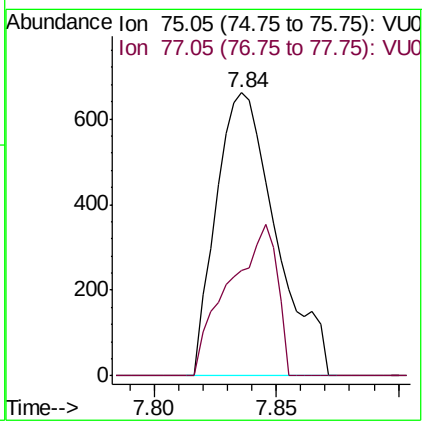


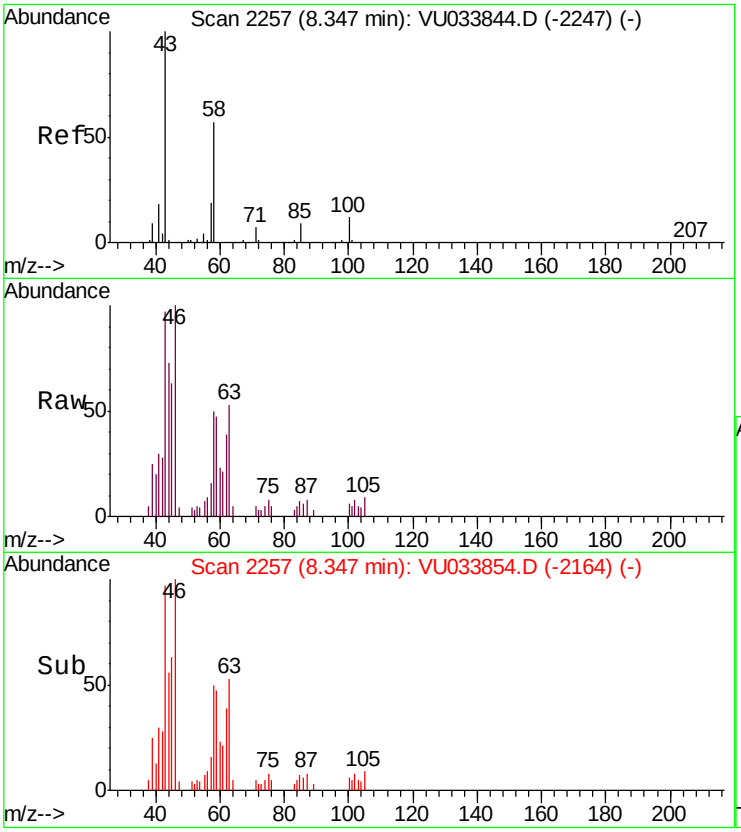




#44
trans-1,3-Dichloropropene
Concen: 0.093 ug/L
RT: 7.84 min Scan# 2098
Delta R.T. -0.03 min
Lab File: VU033854.D
Acq: 20 Aug 2019 15:20

Tgt Ion: 75 Resp: 1127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 37.4 | 23.0 | 42.6 |



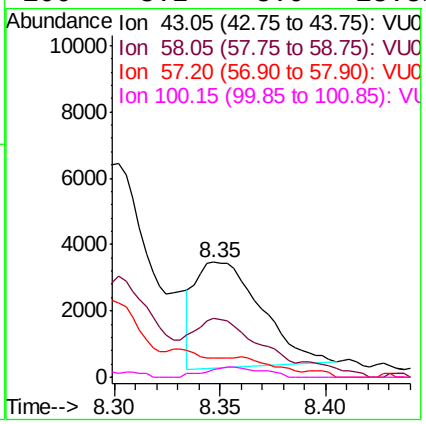


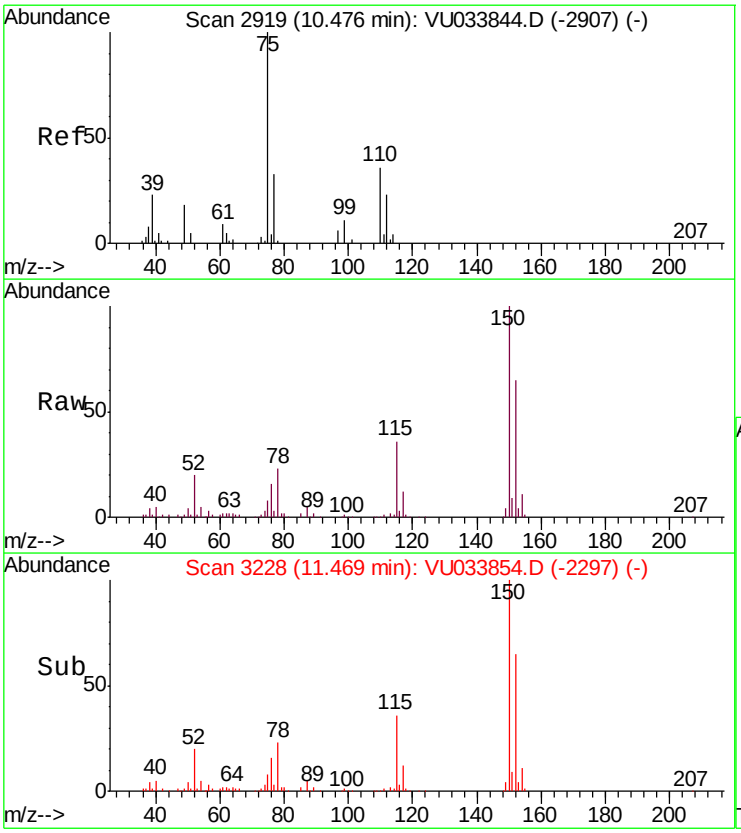

#48
2-Hexanone
Concen: 1.614 ug/L
RT: 8.35 min Scan# 2257
Delta R.T. -0.00 min
Lab File: VU033854.D
Acq: 20 Aug 2019 15:20

**Instrument :** MSVOA_U
**ClientSampleId :** C0AJ5

Tgt Ion: 43 Resp: 6864

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 66.2 | 45.1 | 67.7 |
| 57 | 0.0 | 15.4 | 23.0# |
| 100 | 8.2 | 8.9 | 13.3# |

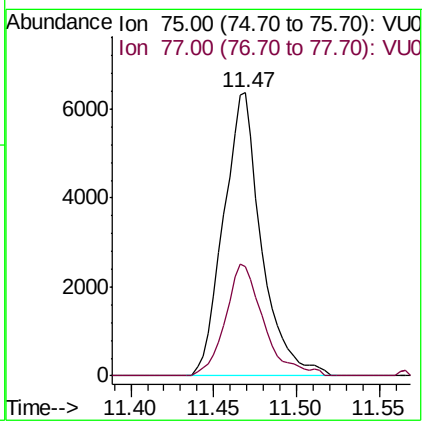


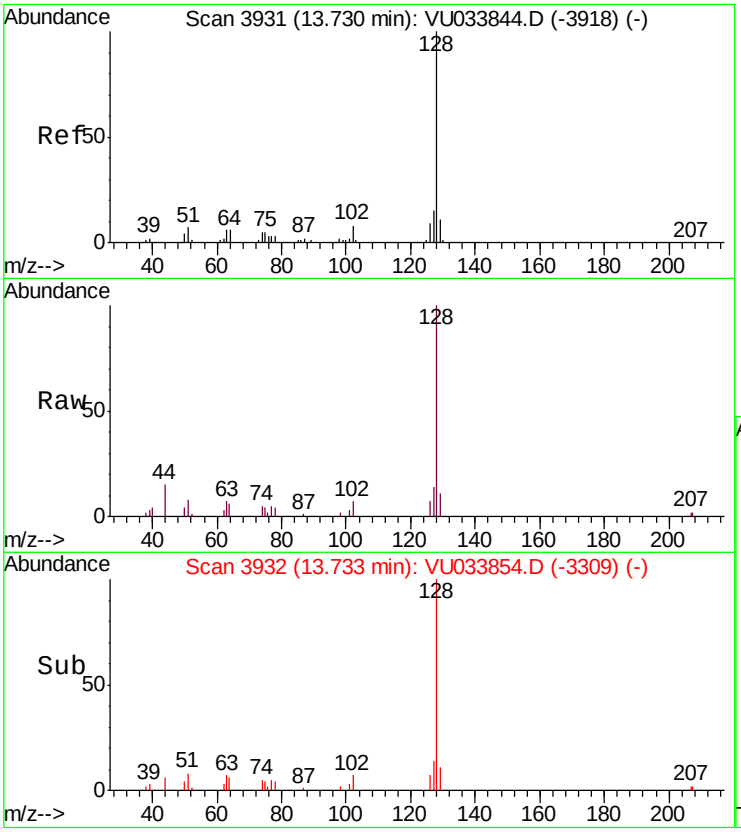




#59
1,2,3-Trichloropropane
Concen: 1.408 ug/L
RT: 11.47 min Scan# 3228
Delta R.T. 0.99 min
Lab File: VU033854.D
Acq: 20 Aug 2019 15:20

Tgt Ion: 75 Resp: 10144

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 39.7 | 26.3 | 39.5# |






#69
Naphthalene
Concen: 1.089 ug/L
RT: 13.73 min Scan# 3932
Delta R.T. 0.00 min
Lab File: VU033854.D
Acq: 20 Aug 2019 15:20

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0AJ5

Tgt Ion:128 Resp: 17306

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 9.0 | 9.0 | 13.6# |
| 127 | 12.9 | 10.9 | 16.3 |