Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU112919\

Quantitation Report (Not Reviewed)

Data File : VU035927.D
Acq On : 29 Nov 2019 16:59
Operator : JC/SP
Sample : K6056-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BFE19

Quant Time: Nov 30 03:25:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR112119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Nov 30 03:20:00 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 6.29 | 114 | 226342 | 5.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.45 | 117 | 266503 | 5.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.84 | 152 | 93401 | 5.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.61 | 65 | 123540 | 4.18 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 83.60% | | | |
| 7) Chloroethane-d5 | 1.93 | 69 | 122731 | 4.79 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 95.80% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.59 | 63 | 157187 | 2.86 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 57.20%# | | | |
| 20) 2-Butanone-d5 | 4.69 | 46 | 343678 | 50.23 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 100.46% | | | |
| 24) Chloroform-d | 5.11 | 84 | 237802 | 4.75 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 95.00% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.75 | 65 | 128297 | 4.56 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 91.20% | | | |
| 32) Benzene-d6 | 5.77 | 84 | 445043 | 4.38 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 87.60% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.73 | 67 | 158827 | 4.64 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 92.80% | | | |
| 41) Toluene-d8 | 7.93 | 98 | 352176 | 3.75 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 75.00% | | | |
| 43) trans-1,3-Dichloropropene- | 8.22 | 79 | 53693 | 4.02 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 80.40% | | | |
| 46) 2-Hexanone-d5 | 8.68 | 63 | 259996 | 48.52 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 97.04% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.79 | 84 | 131737 | 4.57 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 91.40% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 12.22 | 152 | 107103 | 5.28 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 105.60% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.60 | 101 | 3155 | 0.127 | ug/L # | 68 |
| 12) 1,1-Dichloroethene | 2.61 | 96 | 5544 | 0.235 | ug/L # | 1 |
| 13) Acetone | 2.67 | 43 | 9190 | 1.529 | ug/L | 98 |
| 18) trans-1,2-Dichloroethene | 3.39 | 96 | 1933 | 0.083 | ug/L # | 71 |
| 19) 1,1-Dichloroethane | 3.92 | 63 | 23212 | 0.446 | ug/L | 95 |
| 22) cis-1,2-Dichloroethene | 4.72 | 96 | 214268 | 8.291 | ug/L | 99 |
| 25) Chloroform | 5.13 | 83 | 14828 | 0.292 | ug/L | 97 |
| 31) Carbon tetrachloride | 5.57 | 117 | 10718 | 0.288 | ug/L | 98 |
| 34) Trichloroethene | 6.58 | 95 | 1054316 | 38.656 | ug/L | 97 |
| 35) Methylcyclohexane | 6.73 | 83 | 35046 | 0.876 | ug/L # | 15 |
| 37) 1,2-Dichloropropane | 6.74 | 63 | 17391 | 0.551 | ug/L # | 92 |
| 39) cis-1,3-Dichloropropene | 7.60 | 75 | 4109 | 0.101 | ug/L # | 71 |
| 47) Tetrachloroethene | 8.58 | 164 | 3655 | 0.176 | ug/L | 95 |
| 49) Dibromochloromethane | 8.58 | 129 | 2978 | 0.123 | ug/L # | 12 |
| 59) 1,2,3-Trichloropropane | 11.84 | 75 | 11637 | 0.567 | ug/L | 90 |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU112919\

Quantitation Report (Not Reviewed)

Data File : VU035927.D
Acq On : 29 Nov 2019 16:59
Operator : JC/SP
Sample : K6056-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
BFE19

Quant Time: Nov 30 03:25:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR112119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Nov 30 03:20:00 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

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

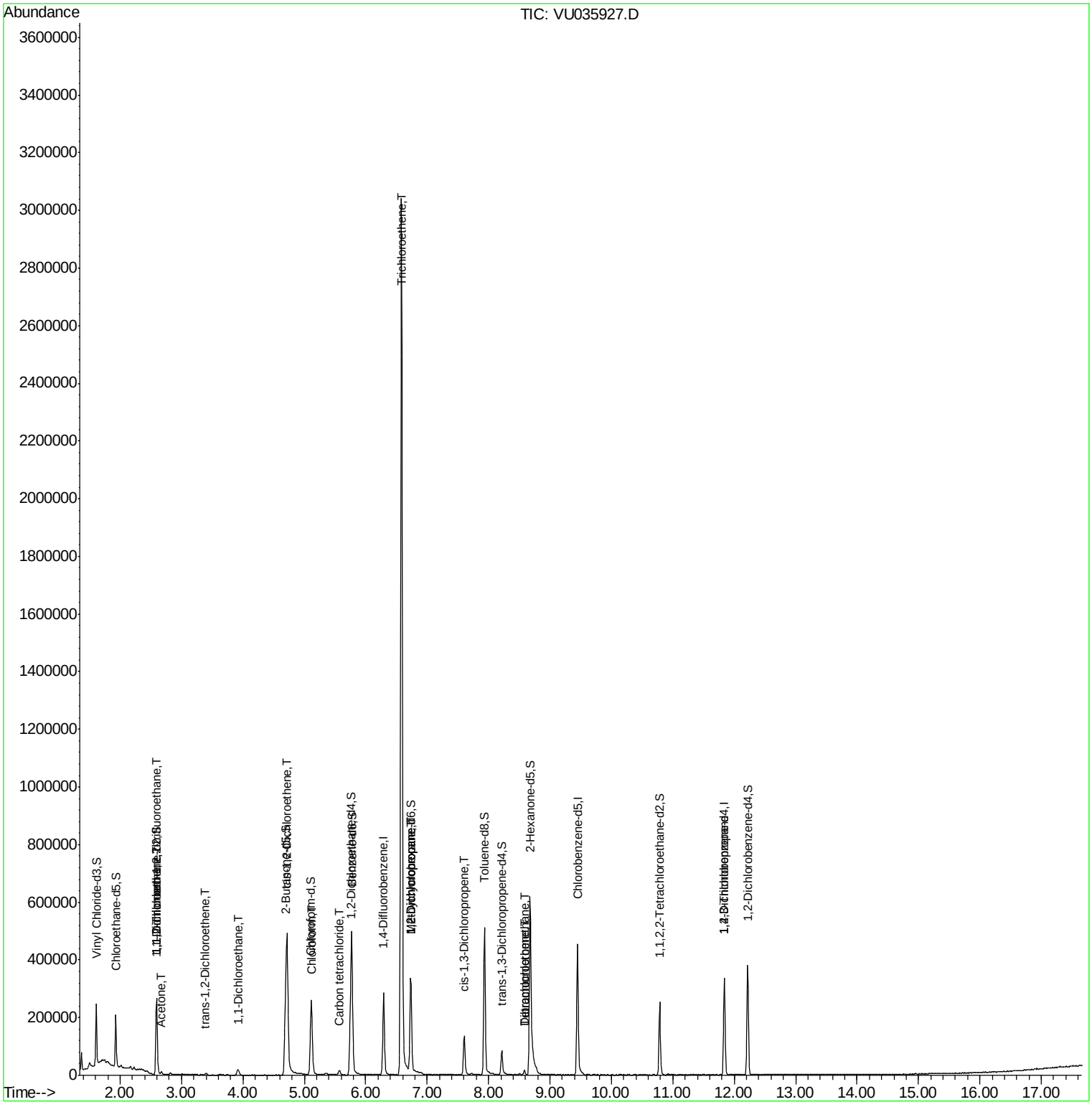
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU112919\

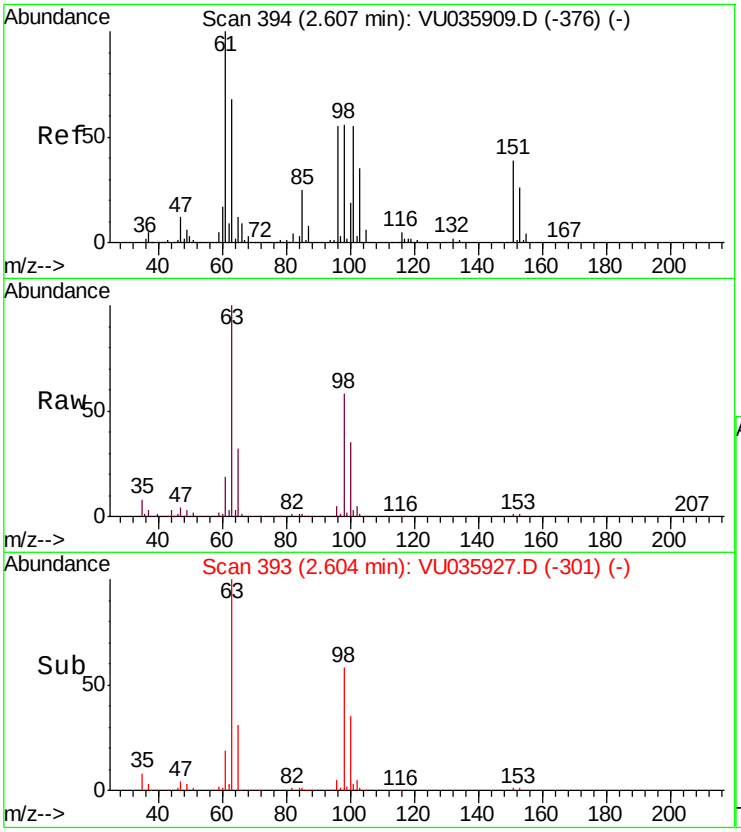
Quantitation Report (Not Reviewed)

Data File : VU035927.D
Acq On : 29 Nov 2019 16:59
Operator : JC/SP
Sample : K6056-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** BFE19

Quant Time: Nov 30 03:25:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR112119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Nov 30 03:20:00 2019
Response via : Initial Calibration



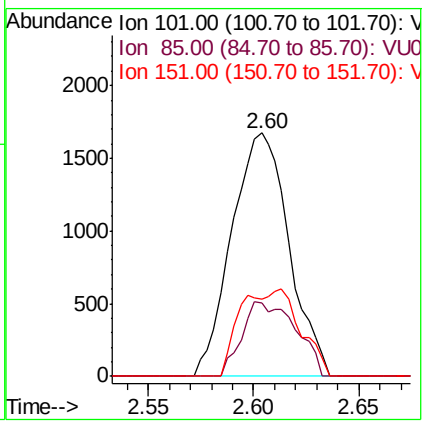


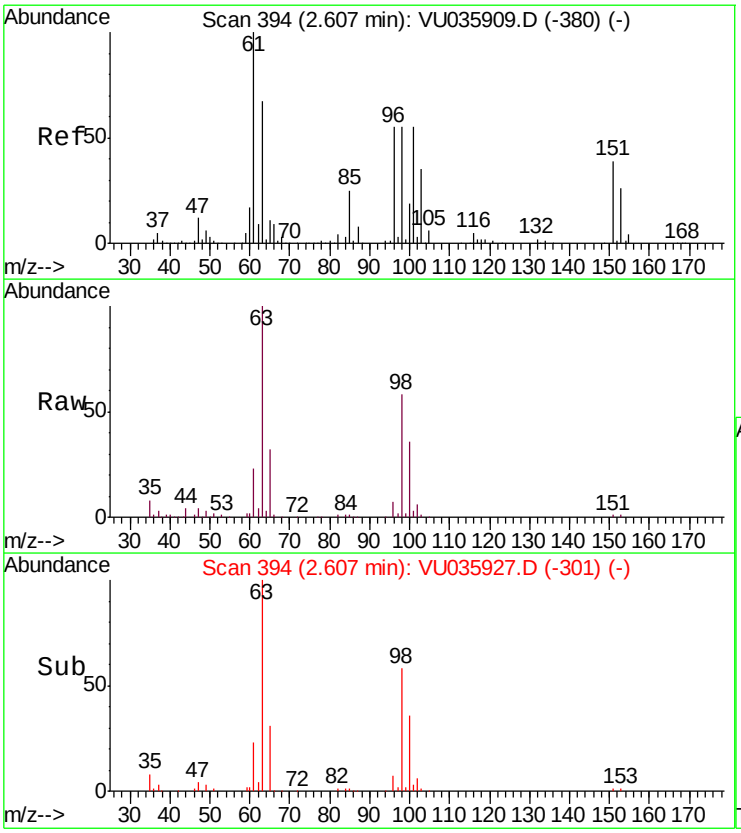

#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.127 ug/L
RT: 2.60 min Scan# 393
Delta R.T. -0.00 min
Lab File: VU035927.D
Acq: 29 Nov 2019 16:59

**Instrument :**
MSVOA_U
**ClientSampleId :**
BFE19

Tgt Ion:101 Resp: 3155

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 28.9 | 38.1 | 57.1# |
| 151 | 37.7 | 52.0 | 78.0# |

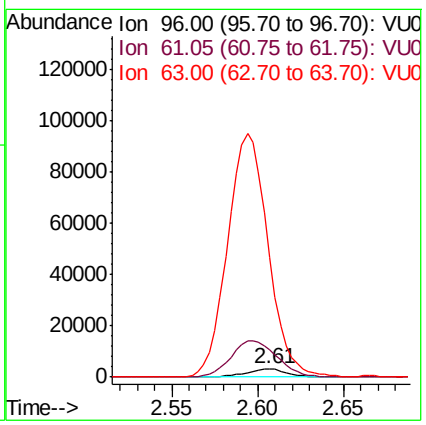


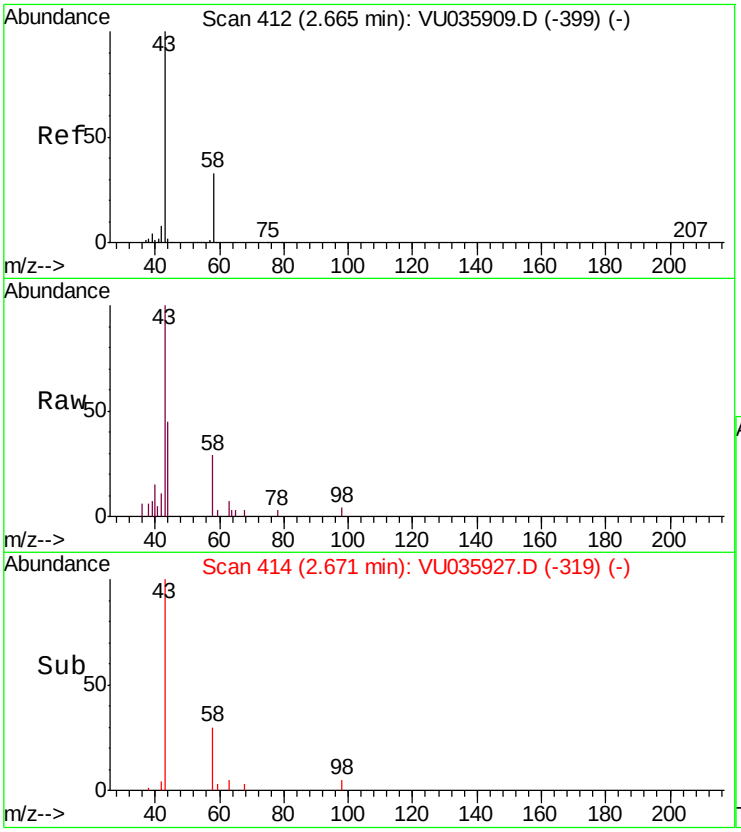




#12
1,1-Dichloroethene
Concen: 0.235 ug/L
RT: 2.61 min Scan# 394
Delta R.T. -0.00 min
Lab File: VU035927.D
Acq: 29 Nov 2019 16:59

Tgt Ion: 96 Resp: 5544

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 318.7 | 139.3 | 258.7# |
| 63 | 1409.0 | 93.7 | 174.1# |



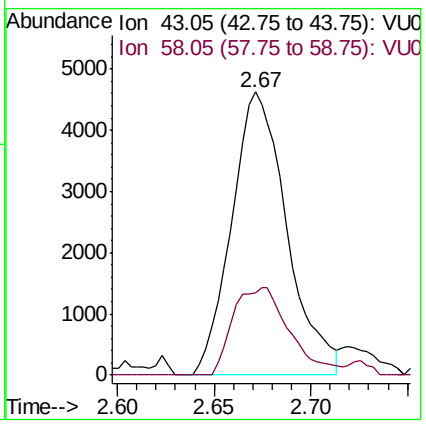


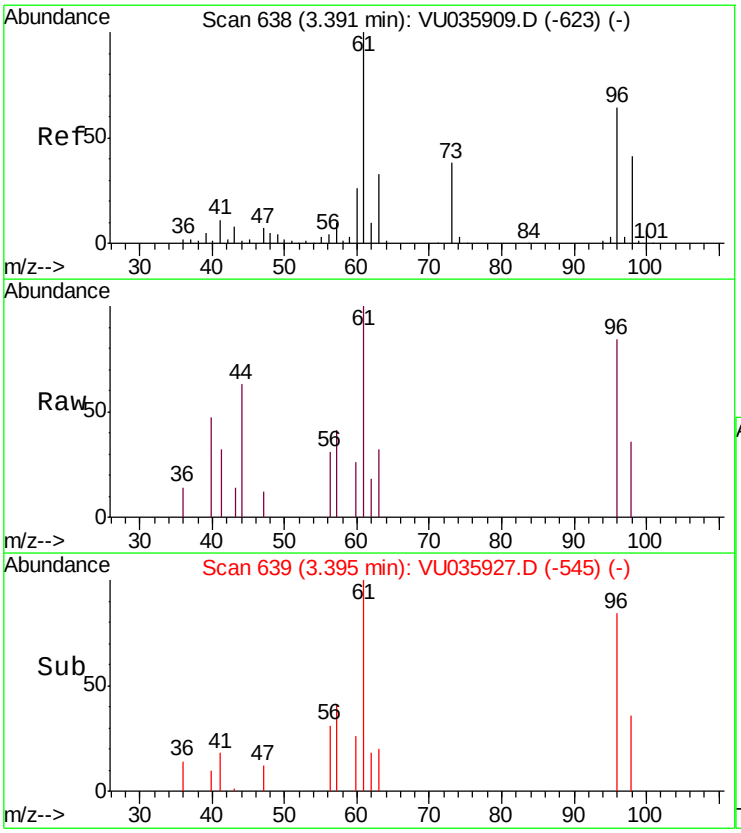

#13
Acetone
Concen: 1.529 ug/L
RT: 2.67 min Scan# 414
Delta R.T. 0.01 min
Lab File: VU035927.D
Acq: 29 Nov 2019 16:59

**Instrument :**
MSVOA_U
**ClientSampleId :**
BFE19

Tgt Ion: 43 Resp: 9190

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 31.7 | 0.0 | 61.2 |

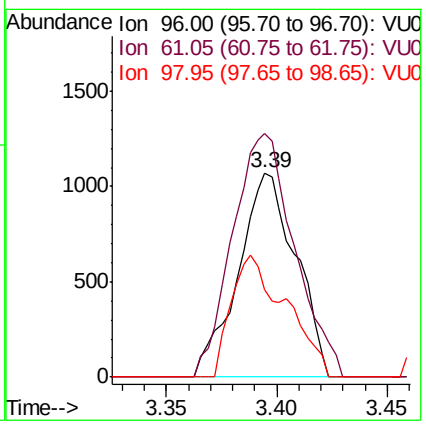


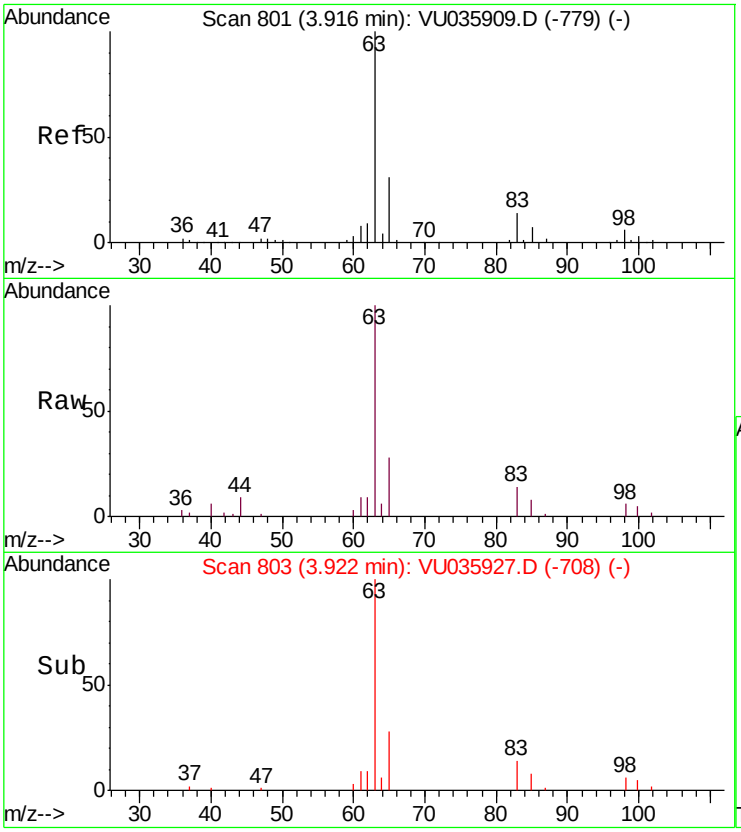




#18
trans-1,2-Dichloroethene
Concen: 0.083 ug/L
RT: 3.39 min Scan# 639
Delta R.T. 0.00 min
Lab File: VU035927.D
Acq: 29 Nov 2019 16:59

Tgt Ion: 96 Resp: 1933

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 119.0 | 111.1 | 206.3 |
| 98 | 42.9 | 43.1 | 80.1# |



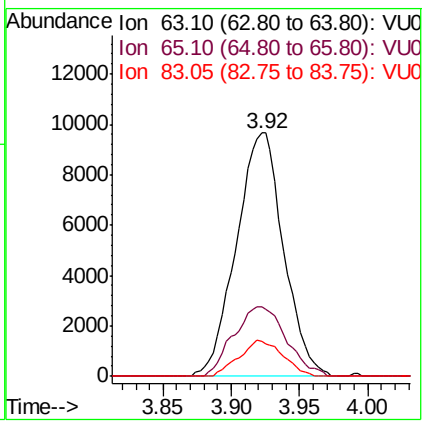


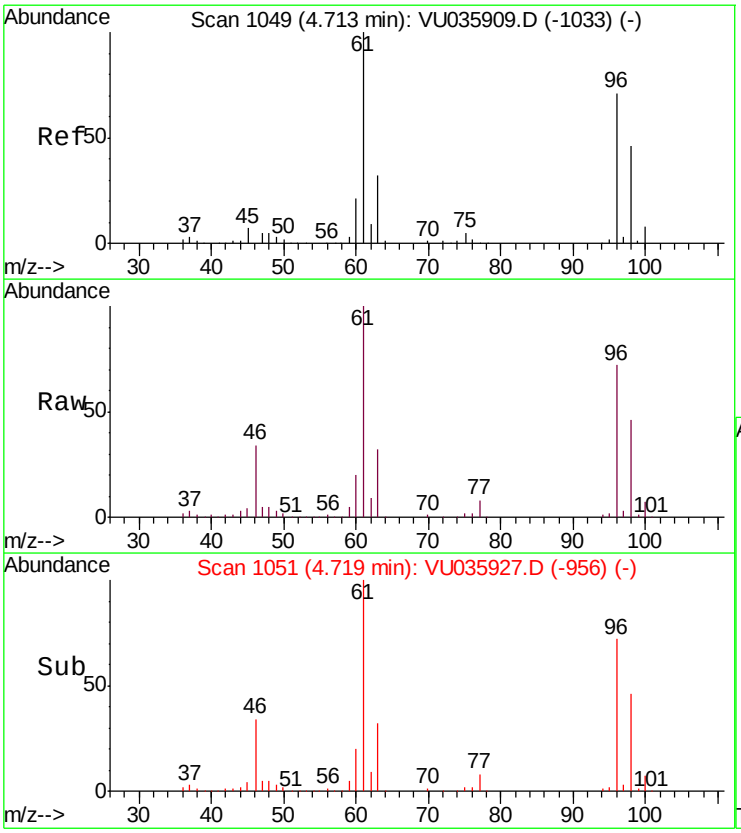

#19
1,1-Dichloroethane
Concen: 0.446 ug/L
RT: 3.92 min Scan# 803
Delta R.T. 0.01 min
Lab File: VU035927.D
Acq: 29 Nov 2019 16:59

**Instrument :** MSVOA_U
**ClientSampleId :** BFE19

Tgt Ion: 63 Resp: 23212

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 28.4 | 21.8 | 40.4 |
| 83 | 14.3 | 8.6 | 16.0 |

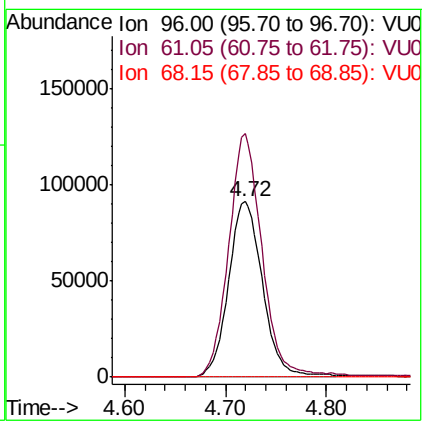


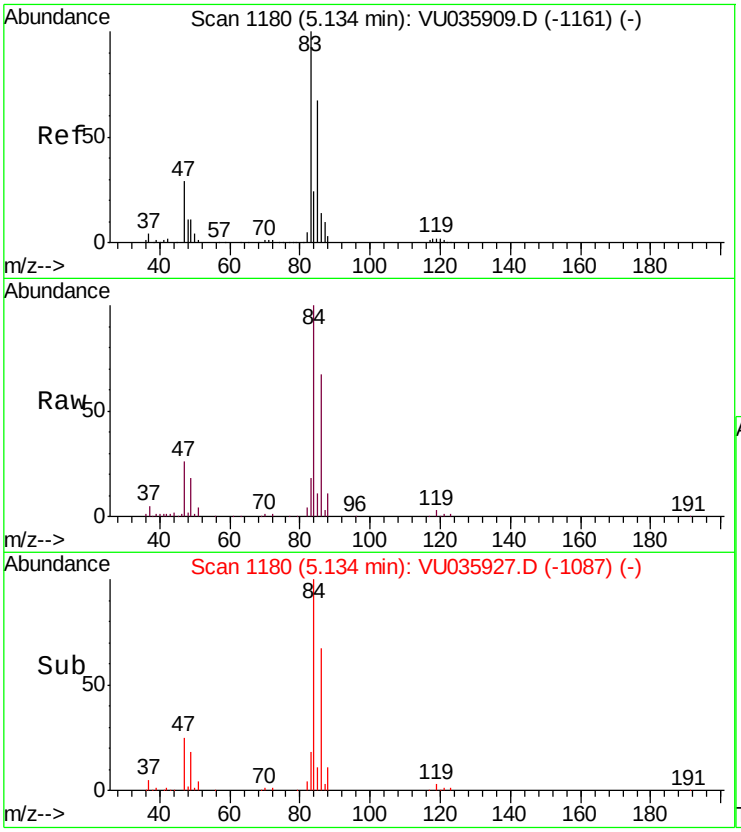




#22
cis-1,2-Dichloroethene
Concen: 8.291 ug/L
RT: 4.72 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VU035927.D
Acq: 29 Nov 2019 16:59

Tgt Ion: 96 Resp: 214268

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 138.7 | 98.1 | 182.1 |
| 68 | 0.0 | 0.0 | 0.0 |



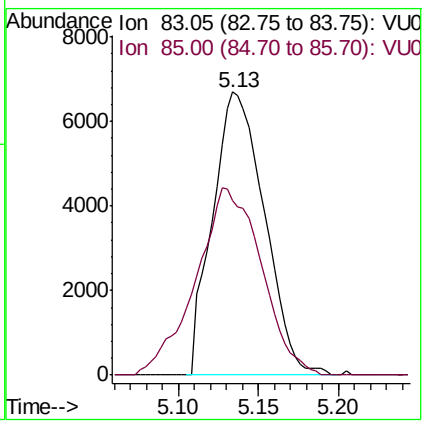


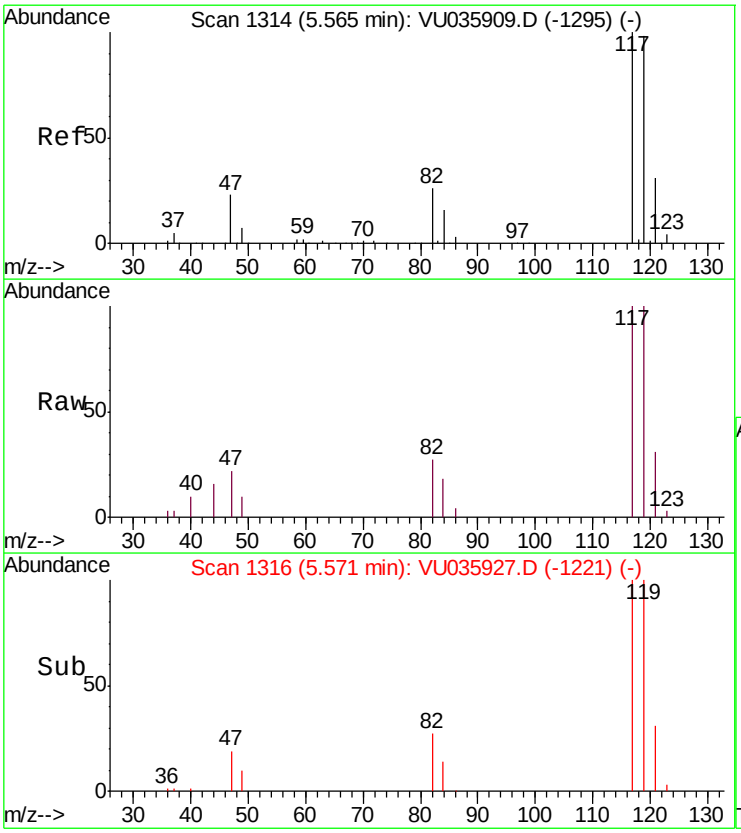

#25
Chloroform
Concen: 0.292 ug/L
RT: 5.13 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VU035927.D
Acq: 29 Nov 2019 16:59

**Instrument :**
MSVOA_U
**ClientSampleId :**
BFE19

Tgt Ion: 83 Resp: 14828

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 61.7 | 44.6 | 82.8 |

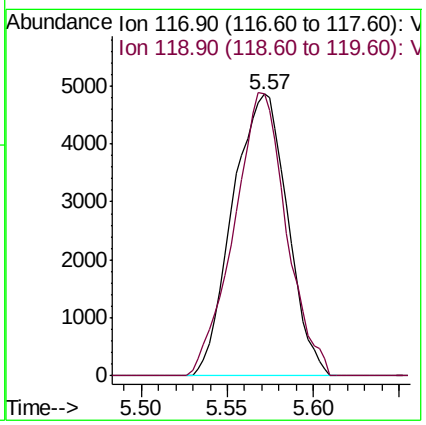


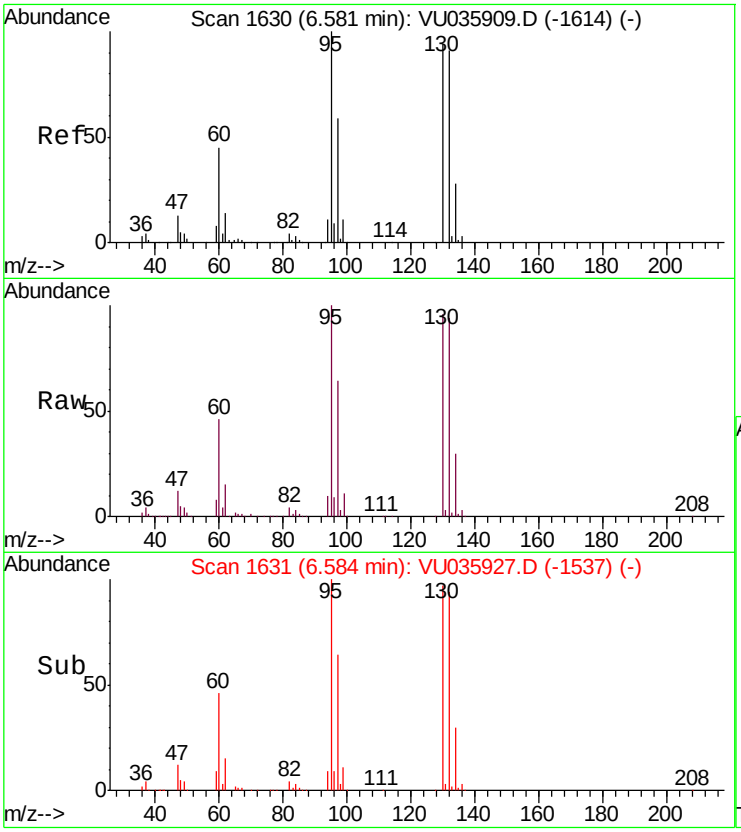




#31
Carbon tetrachloride
Concen: 0.288 ug/L
RT: 5.57 min Scan# 1316
Delta R.T. 0.01 min
Lab File: VU035927.D
Acq: 29 Nov 2019 16:59

Tgt Ion:117 Resp: 10718

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.5 | 76.0 | 114.0 |



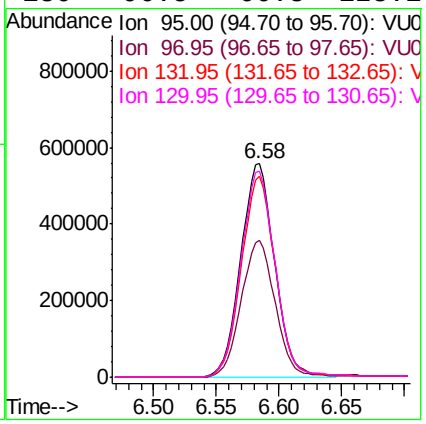


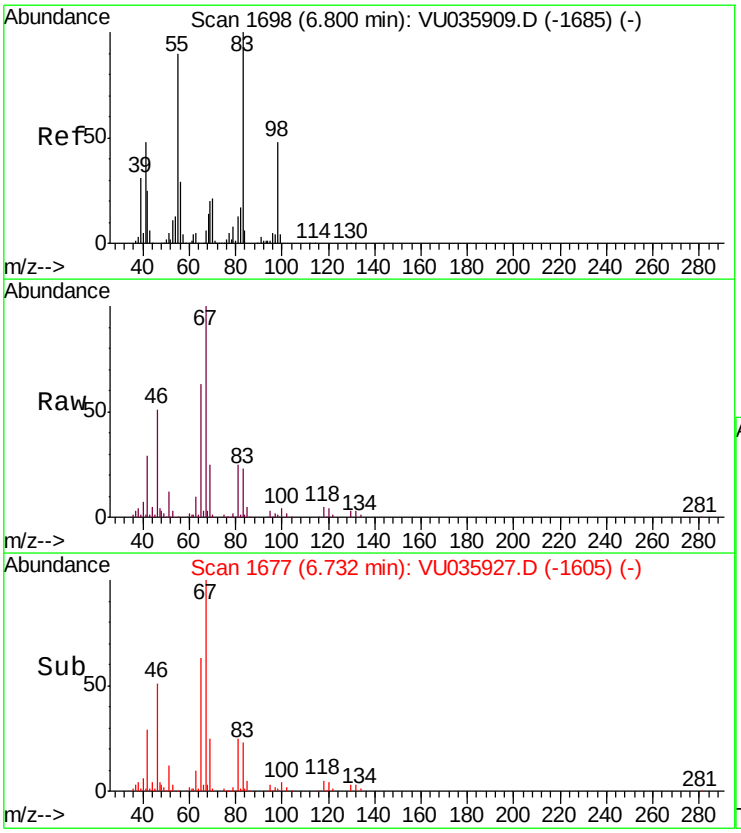

#34
Trichloroethene
Concen: 38.656 ug/L
RT: 6.58 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU035927.D
Acq: 29 Nov 2019 16:59

**Instrument :** MSVOA_U
**ClientSampleId :** BFE19

Tgt Ion: 95 Resp: 1054316

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 63.9 | 45.1 | 83.9 |
| 132 | 93.9 | 61.9 | 114.9 |
| 130 | 96.5 | 66.3 | 123.1 |

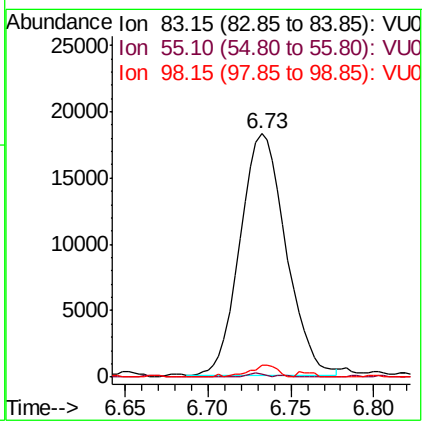


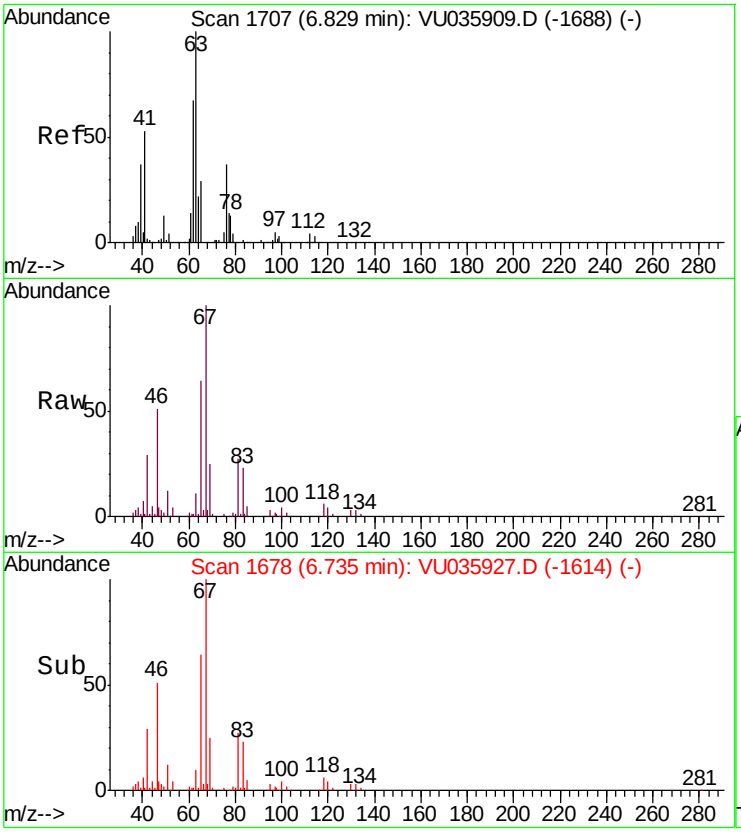




#35
Methylcyclohexane
Concen: 0.876 ug/L
RT: 6.73 min Scan# 1677
Delta R.T. -0.07 min
Lab File: VU035927.D
Acq: 29 Nov 2019 16:59

Tgt Ion: 83 Resp: 35046

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 0.5 | 72.7 | 109.1# |
| 98 | 2.9 | 36.2 | 54.4# |



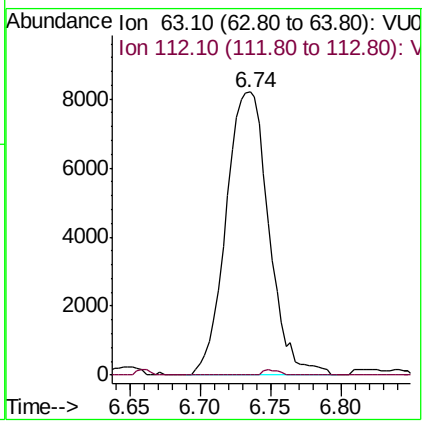


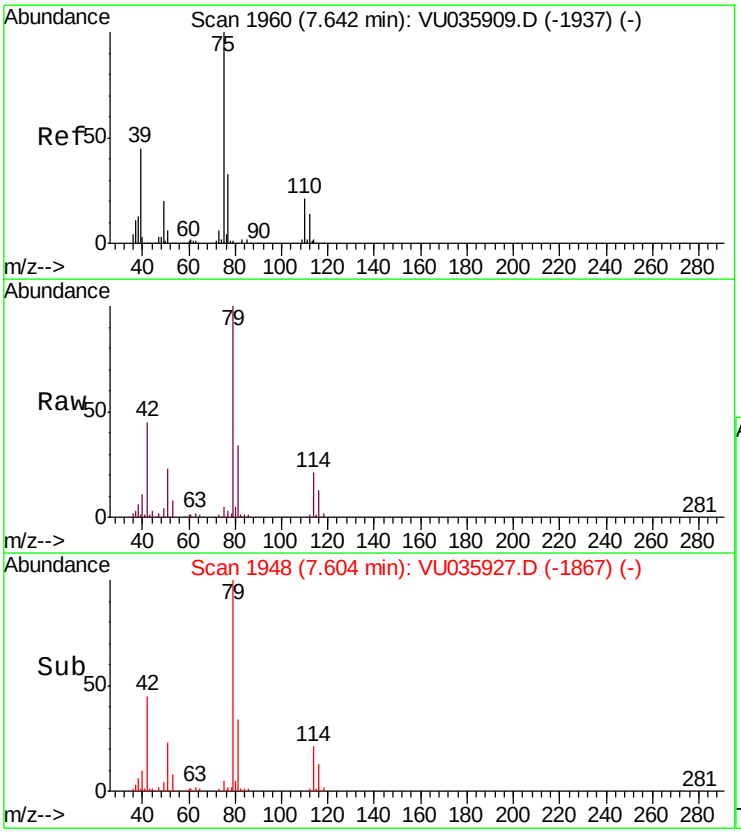

#37
1,2-Dichloropropane
Concen: 0.551 ug/L
RT: 6.74 min Scan# 1678
Delta R.T. -0.09 min
Lab File: VU035927.D
Acq: 29 Nov 2019 16:59

**Instrument :**
MSVOA_U
**ClientSampleId :**
BFE19

Tgt Ion: 63 Resp: 17391

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 0.7 | 2.7 | 4.1# |

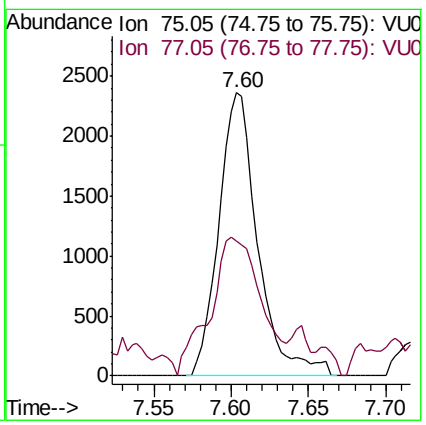


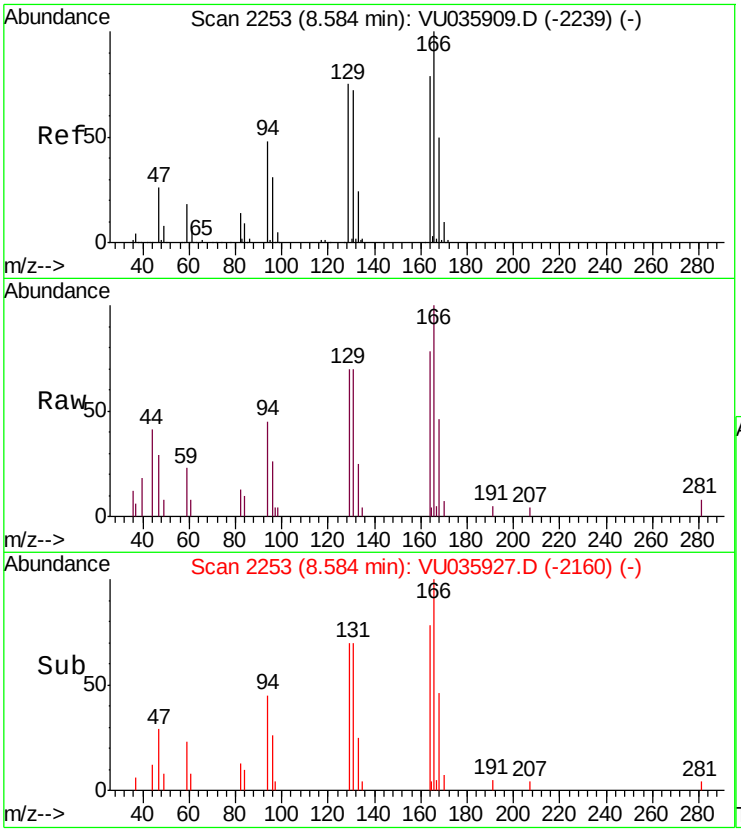




#39
cis-1,3-Dichloropropene
Concen: 0.101 ug/L
RT: 7.60 min Scan# 1948
Delta R.T. -0.04 min
Lab File: VU035927.D
Acq: 29 Nov 2019 16:59

Tgt Ion: 75 Resp: 4109

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 47.6 | 22.1 | 41.1# |



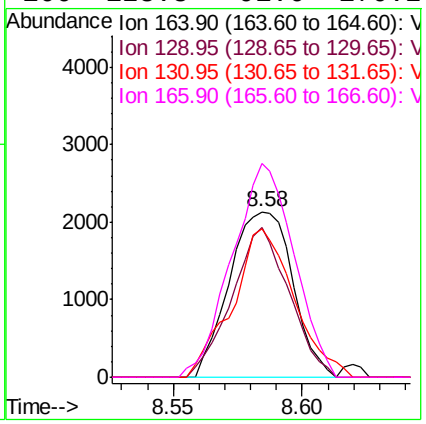


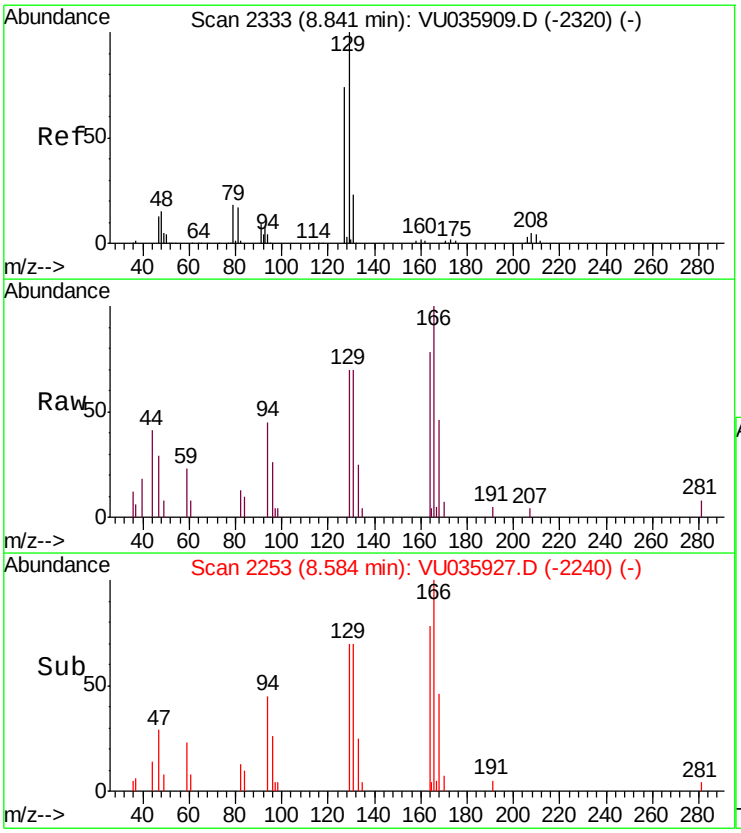

#47
Tetrachloroethene
Concen: 0.176 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. -0.00 min
Lab File: VU035927.D
Acq: 29 Nov 2019 16:59

**Instrument :** MSVOA_U
**ClientSampleId :** BFE19

Tgt Ion:164 Resp: 3655

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 90.5 | 68.8 | 127.8 |
| 131 | 89.7 | 67.3 | 124.9 |
| 166 | 128.8 | 91.6 | 170.2 |

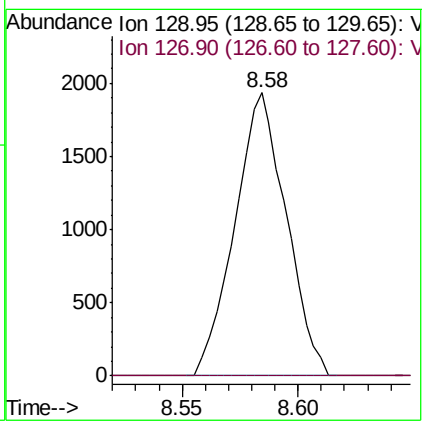


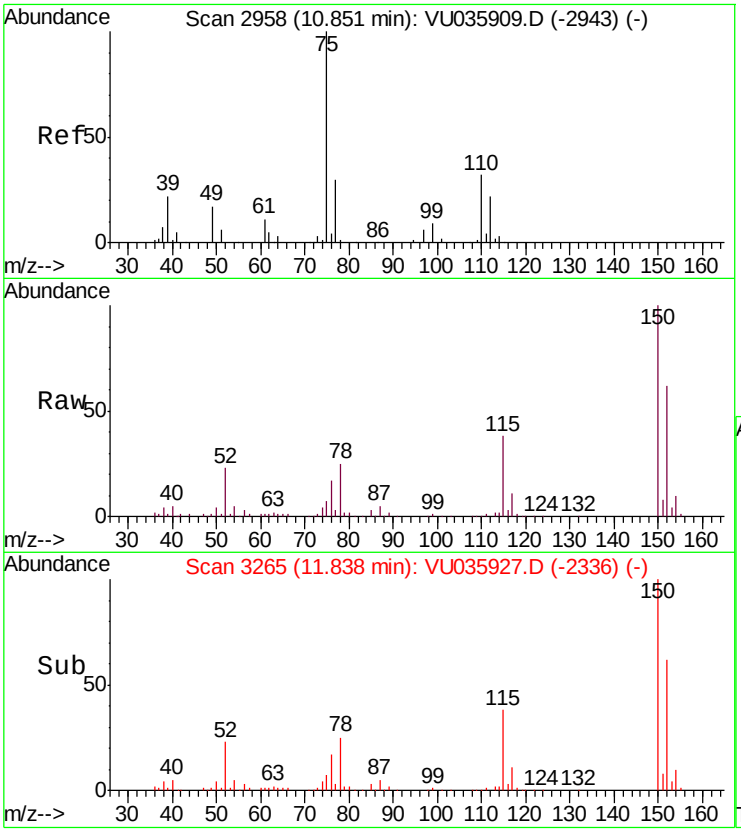




#49
Dibromochloromethane
Concen: 0.123 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. -0.26 min
Lab File: VU035927.D
Acq: 29 Nov 2019 16:59

Tgt Ion:129 Resp: 2978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 0.0 | 53.1 | 98.5# |






#59
1,2,3-Trichloropropane
Concen: 0.567 ug/L
RT: 11.84 min Scan# 3265
Delta R.T. 0.99 min
Lab File: VU035927.D
Acq: 29 Nov 2019 16:59

**Instrument :**
MSVOA_U
**ClientSampleId :**
BFE19

Tgt Ion: 75 Resp: 11637

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 37.6 | 25.4 | 38.2 |