Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092518\

Quantitation Report (Not Reviewed)

Data File : VU027136.D
Acq On : 25 Sep 2018 18:03
Operator : MD/SY
Sample : J4970-07
Misc : 5.51g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** E5FD9ME

Quant Time: Sep 26 02:28:37 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM092518WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Sep 26 02:22:28 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.89 | 114 | 186713 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.09 | 117 | 179720 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.49 | 152 | 75288 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.40 | 65 | 66225 | 39.87 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 79.74% | | | |
| 7) Chloroethane-d5 | 1.65 | 69 | 55114 | 42.37 | ug/L | -0.03 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 84.74% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.26 | 63 | 94450 | 29.89 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 59.78%# | | | |
| 21) 2-Butanone-d5 | 4.18 | 46 | 118053 | 87.41 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 87.41% | | | |
| 24) Chloroform-d | 4.65 | 84 | 108645 | 41.10 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 82.20% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.31 | 65 | 80731 | 42.70 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 85.40% | | | |
| 32) Benzene-d6 | 5.34 | 84 | 230708 | 43.39 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 86.78% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.33 | 67 | 83799 | 44.21 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 88.42% | | | |
| 41) Toluene-d8 | 7.57 | 98 | 193245 | 41.12 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 82.24% | | | |
| 43) trans-1,3-Dichloropropene- | 7.85 | 79 | 35056 | 41.41 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 82.82% | | | |
| 47) 2-Hexanone-d5 | 8.31 | 63 | 86977 | 95.07 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 95.07% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43 | 84 | 113834 | 44.84 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 89.68% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.86 | 152 | 70656 | 45.93 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 91.86% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 13) Acetone | 2.33 | 43 | 643 | 0.516 | ug/L # | 45 |
| 20) cis-1,2-Dichloroethene | 4.22 | 96 | 12557 | 8.309 | ug/L | 92 |
| 25) Chloroform | 4.67 | 83 | 5213 | 1.801 | ug/L | 78 |
| 27) 1,2-Dichloroethane | 5.33 | 62 | 1201 | 0.500 | ug/L # | 77 |
| 34) Trichloroethene | 6.19 | 95 | 14192 | 10.087 | ug/L | 99 |
| 37) 1,2-Dichloropropane | 6.33 | 63 | 8574 | 4.636 | ug/L # | 89 |
| 44) trans-1,3-Dichloropropene | 7.85 | 75 | 1749 | 0.727 | ug/L | 86 |
| 46) Tetrachloroethene | 8.23 | 164 | 63668 | 63.103 | ug/L | 99 |
| 48) 2-Hexanone | 8.31 | 43 | 10834 | 4.894 | ug/L # | 65 |
| 49) Dibromochloromethane | 8.23 | 129 | 62326 | 41.692 | ug/L # | 10 |
| 59) 1,2,3-Trichloropropane | 11.49 | 75 | 11227 | 5.200 | ug/L | 93 |

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

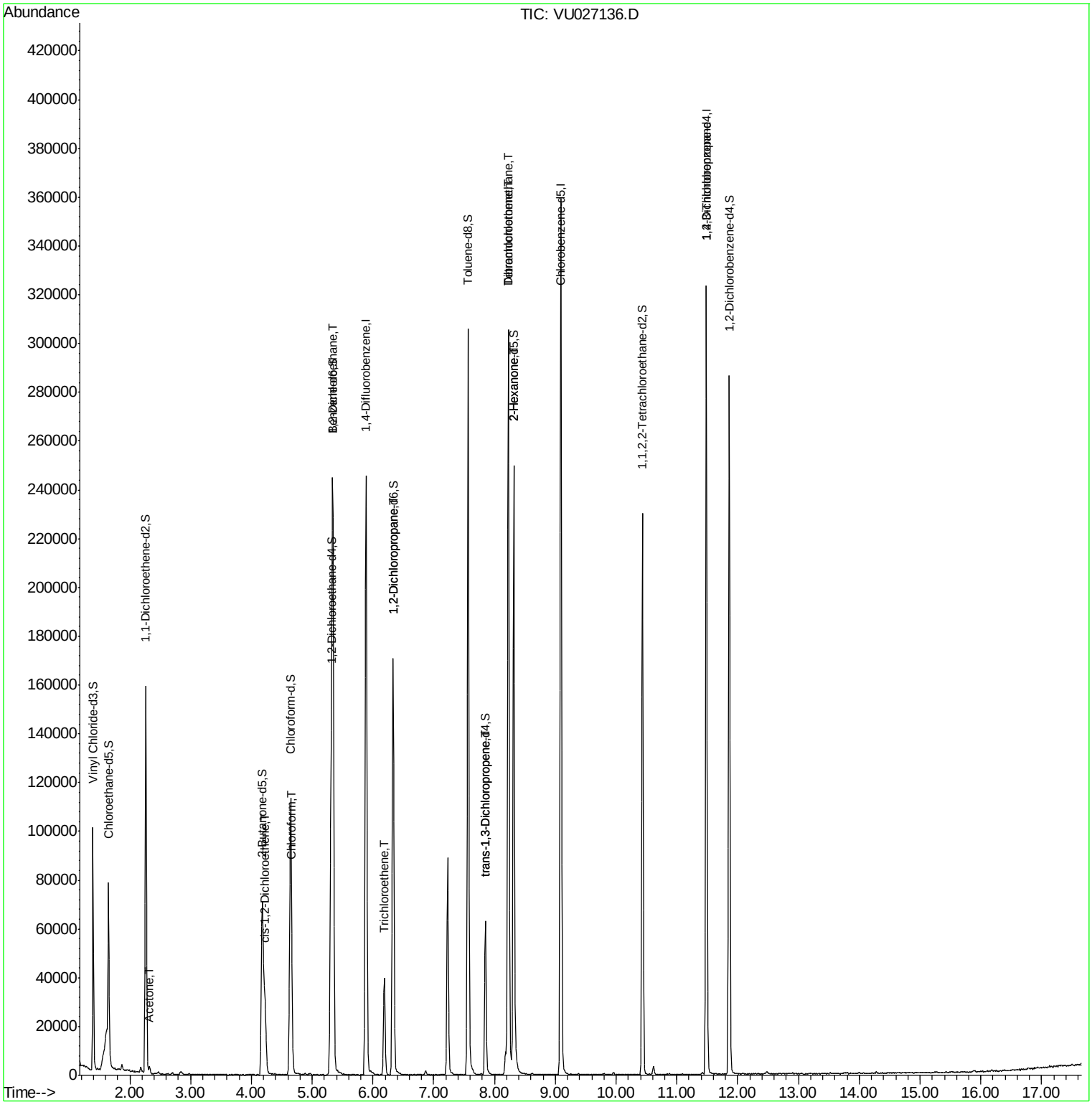
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092518\

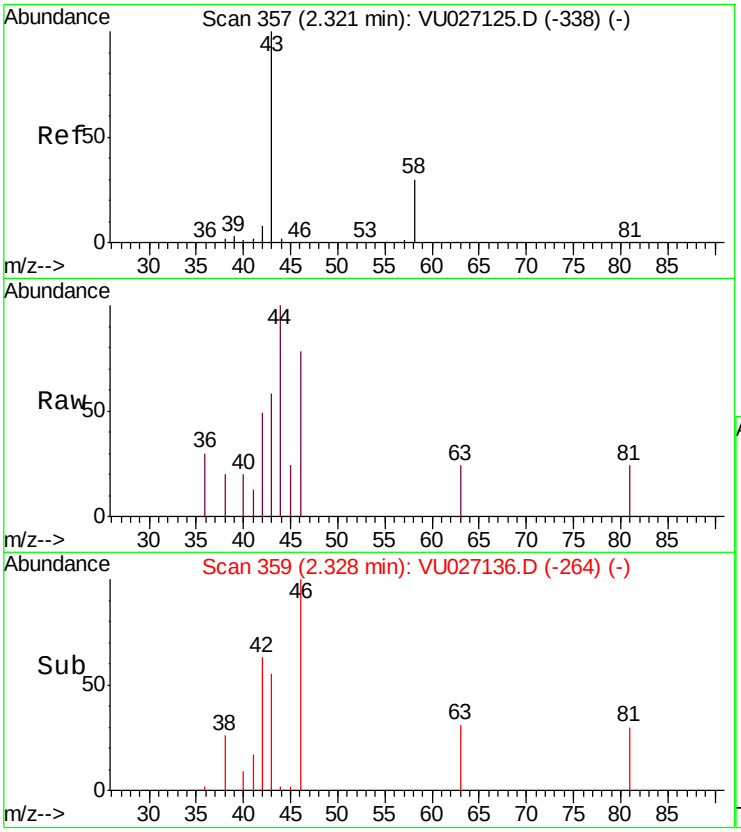
Quantitation Report (Not Reviewed)

Data File : VU027136.D
Acq On : 25 Sep 2018 18:03
Operator : MD/SY
Sample : J4970-07
Misc : 5.51g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** E5FD9ME

Quant Time: Sep 26 02:28:37 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM092518WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Sep 26 02:22:28 2018
Response via : Initial Calibration



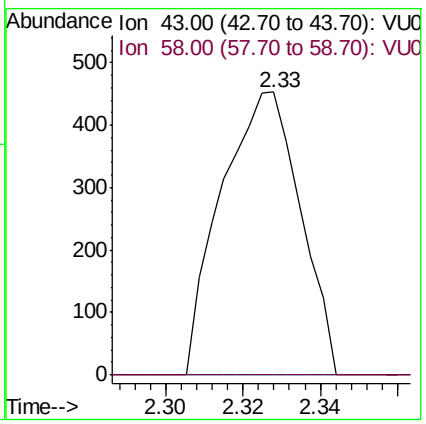


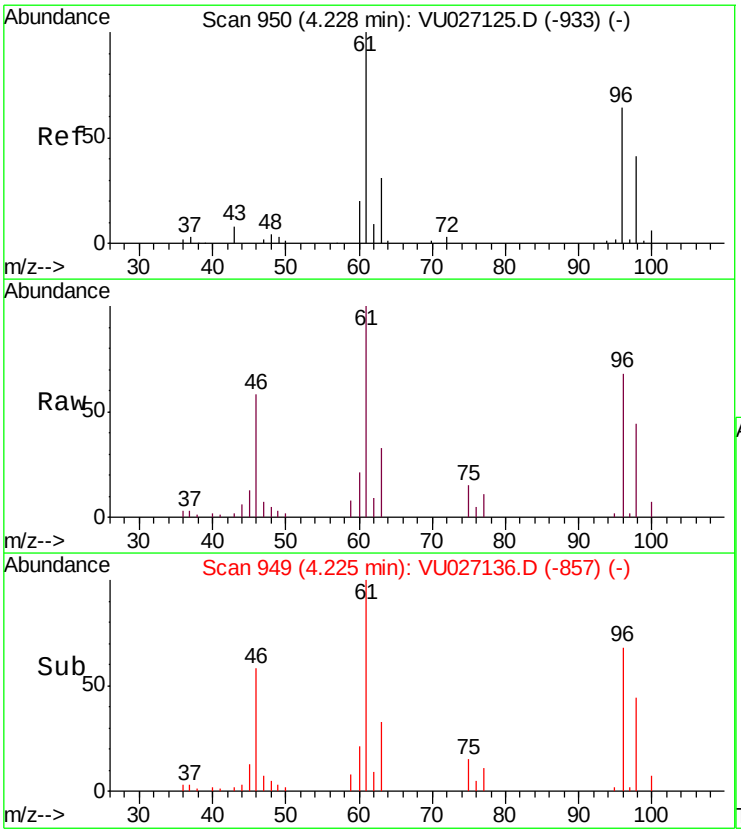

#13
Acetone
Concen: 0.516 ug/L
RT: 2.33 min Scan# 359
Delta R.T. 0.01 min
Lab File: VU027136.D
Acq: 25 Sep 2018 18:03

**Instrument :** MSVOA_U
**ClientSampleId :** E5FD9ME

Tgt Ion: 43 Resp: 643

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 0.0 | 0.0 | 59.6 |

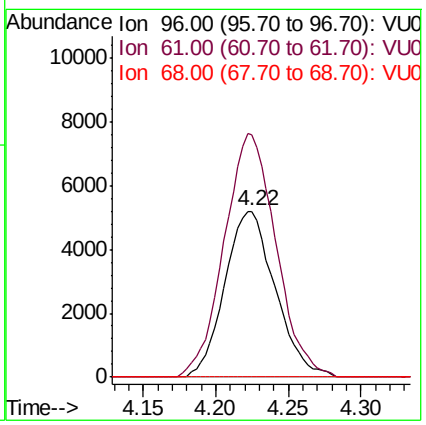


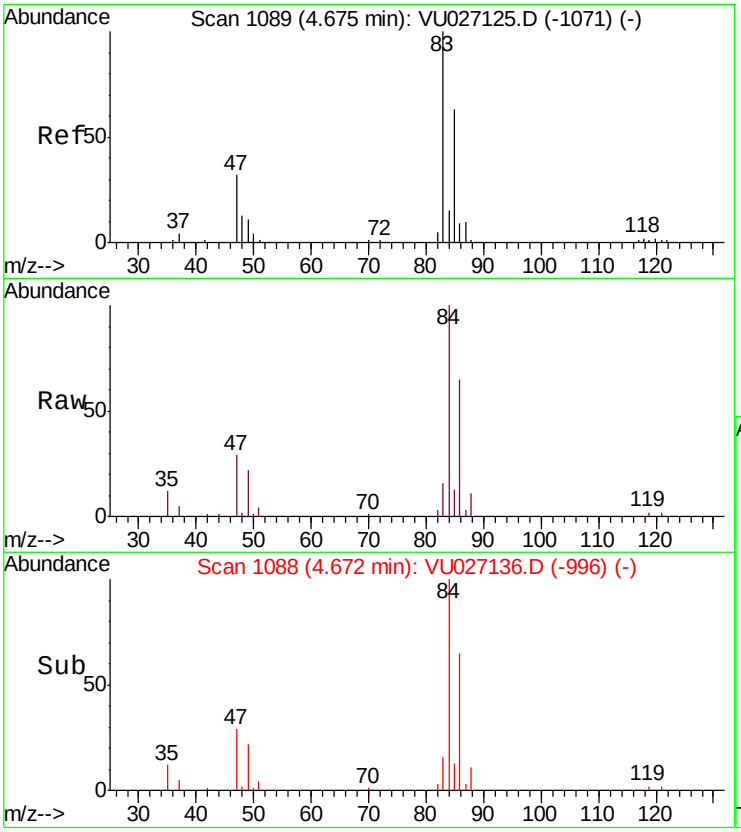




#20
cis-1,2-Dichloroethene
Concen: 8.309 ug/L
RT: 4.22 min Scan# 949
Delta R.T. -0.00 min
Lab File: VU027136.D
Acq: 25 Sep 2018 18:03

Tgt Ion: 96 Resp: 12557

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 146.4 | 109.6 | 203.6 |
| 68 | 0.0 | 0.0 | 0.0 |



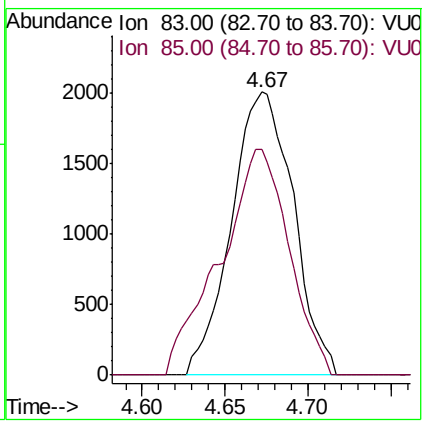


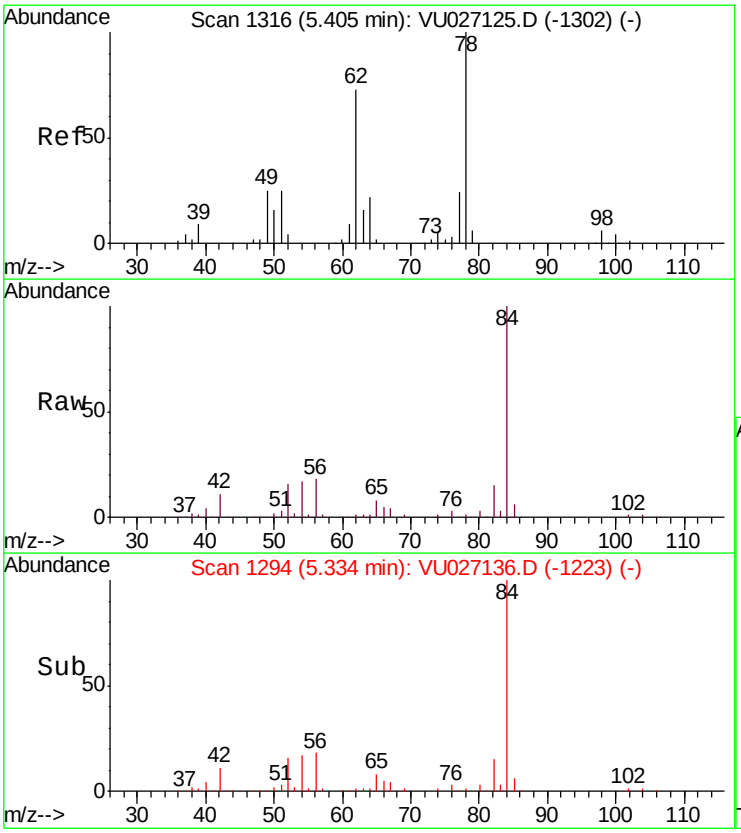

#25
Chloroform
Concen: 1.801 ug/L
RT: 4.67 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VU027136.D
Acq: 25 Sep 2018 18:03

**Instrument :**
MSVOA_U
**ClientSampleId :**
E5FD9ME

Tgt Ion: 83 Resp: 5213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 79.8 | 44.0 | 81.6 |

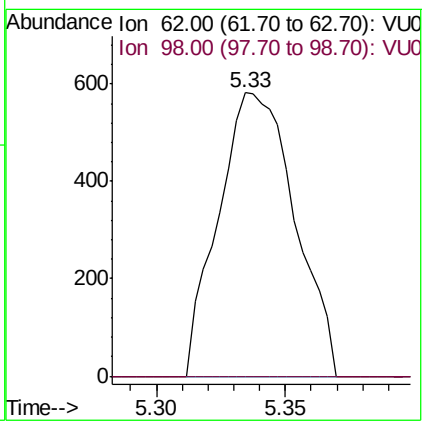


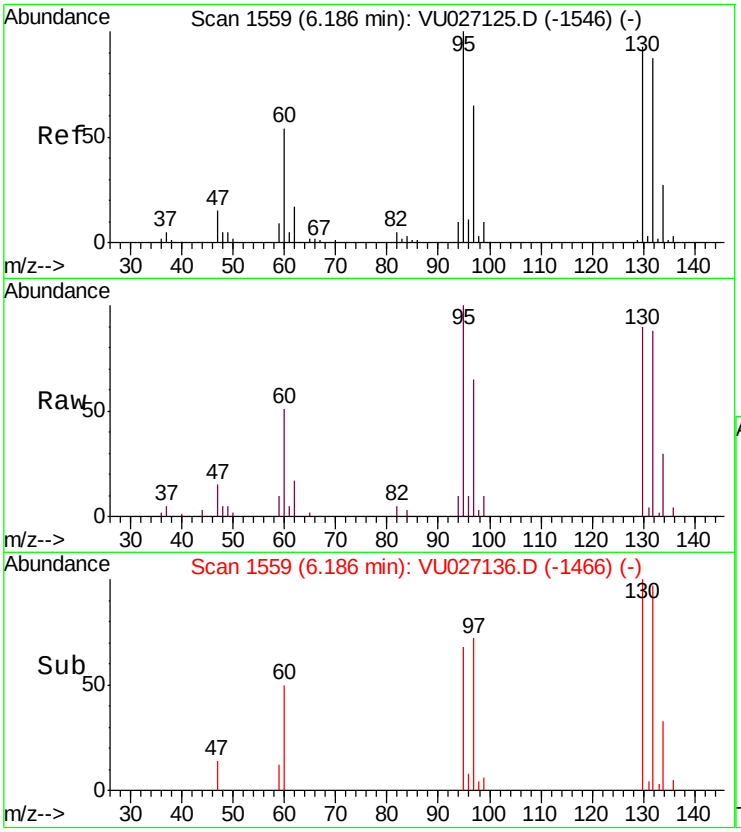




#27
1,2-Dichloroethane
Concen: 0.500 ug/L
RT: 5.33 min Scan# 1294
Delta R.T. -0.07 min
Lab File: VU027136.D
Acq: 25 Sep 2018 18:03

Tgt Ion: 62 Resp: 1201

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 0.0 | 6.4 | 9.6# |



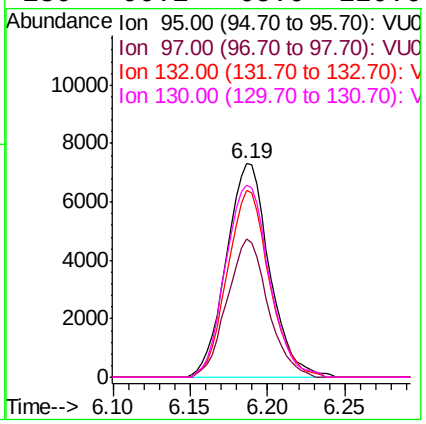


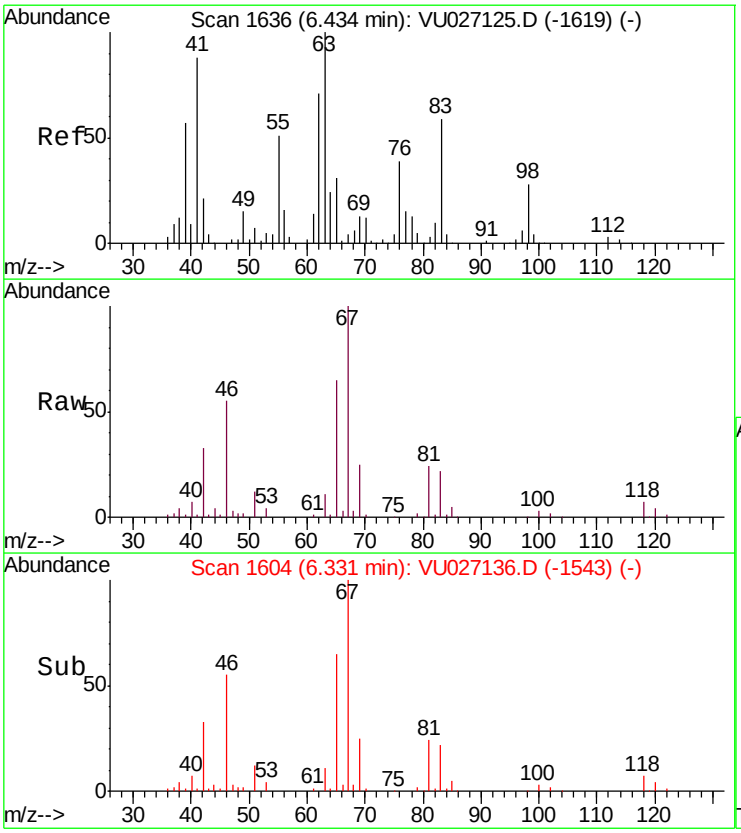

#34
Trichloroethene
Concen: 10.087 ug/L
RT: 6.19 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VU027136.D
Acq: 25 Sep 2018 18:03

**Instrument :** MSVOA_U
**ClientSampleId :** E5FD9ME

Tgt Ion: 95 Resp: 14192

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 65.0 | 45.4 | 84.2 |
| 132 | 87.6 | 61.1 | 113.5 |
| 130 | 90.1 | 65.0 | 120.6 |

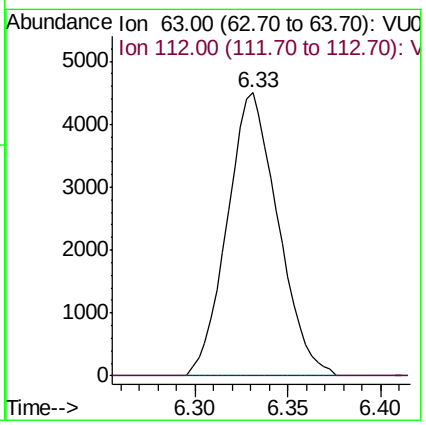


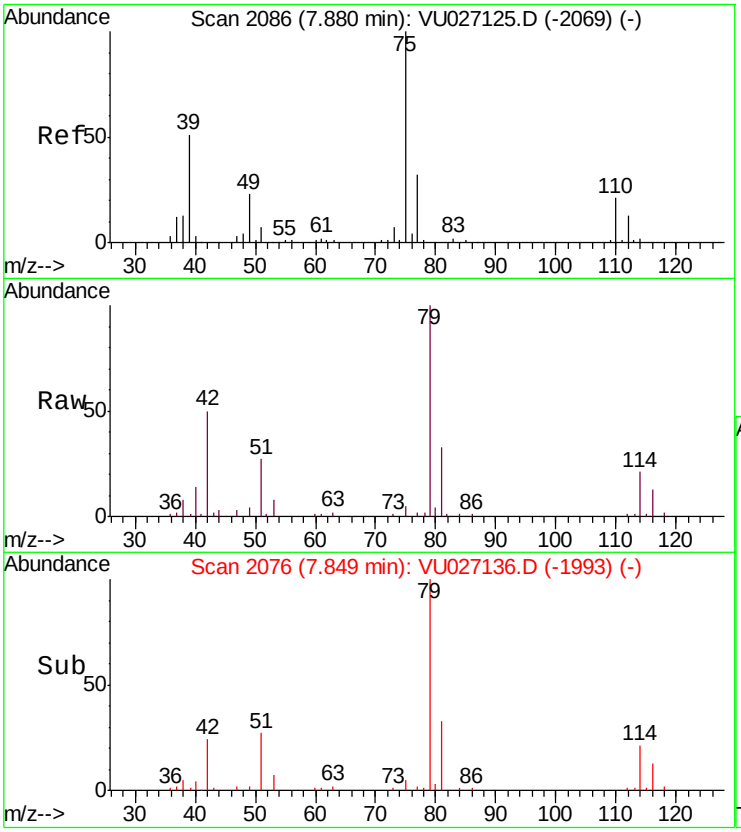




#37
1,2-Dichloropropane
Concen: 4.636 ug/L
RT: 6.33 min Scan# 1604
Delta R.T. -0.10 min
Lab File: VU027136.D
Acq: 25 Sep 2018 18:03

Tgt Ion: 63 Resp: 8574

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 0.0 | 2.9 | 4.3# |



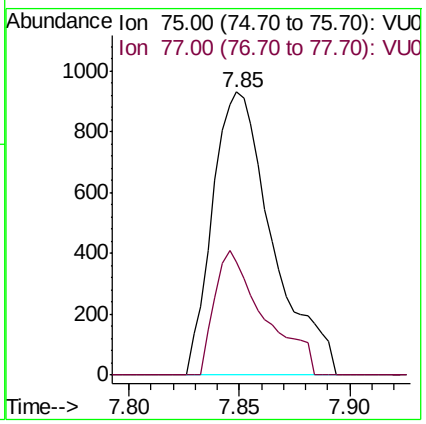


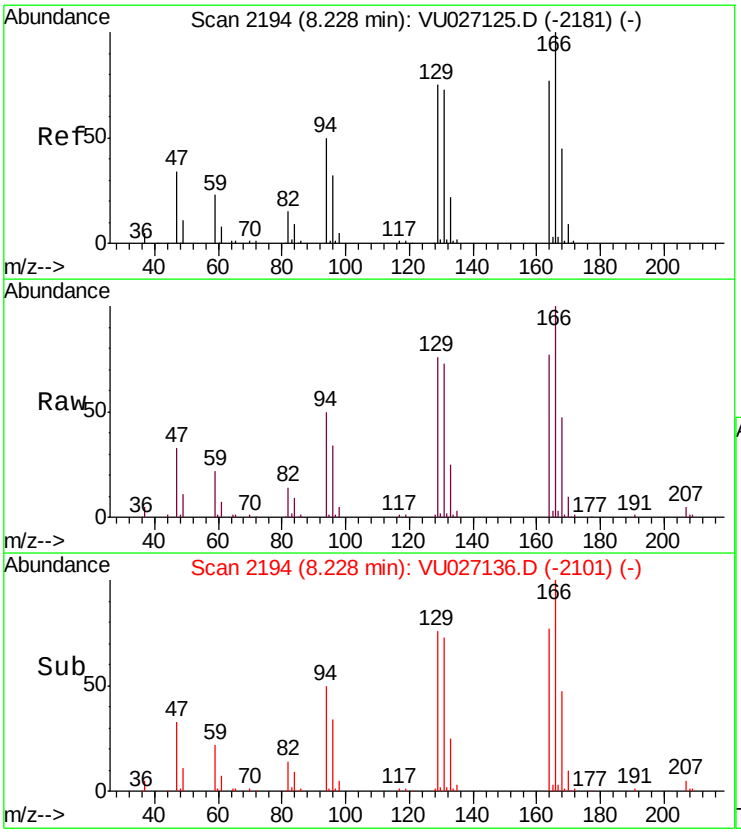

#44
trans-1,3-Dichloropropene
Concen: 0.727 ug/L
RT: 7.85 min Scan# 2076
Delta R.T. -0.03 min
Lab File: VU027136.D
Acq: 25 Sep 2018 18:03

**Instrument :**
MSVOA_U
**ClientSampleId :**
E5FD9ME

Tgt Ion: 75 Resp: 1749

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 39.8 | 22.3 | 41.5 |

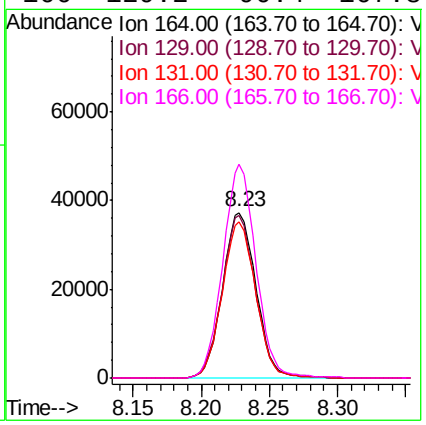


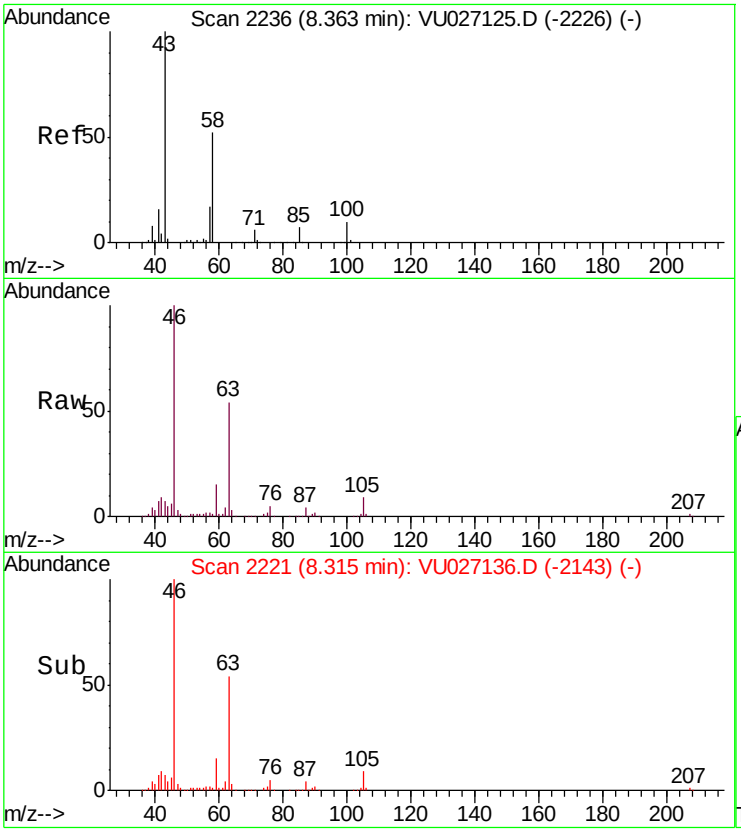




#46
Tetrachloroethene
Concen: 63.103 ug/L
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU027136.D
Acq: 25 Sep 2018 18:03

Tgt Ion:164 Resp: 63668

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 98.6 | 67.8 | 125.8 |
| 131 | 94.6 | 66.4 | 123.2 |
| 166 | 129.2 | 90.4 | 167.8 |



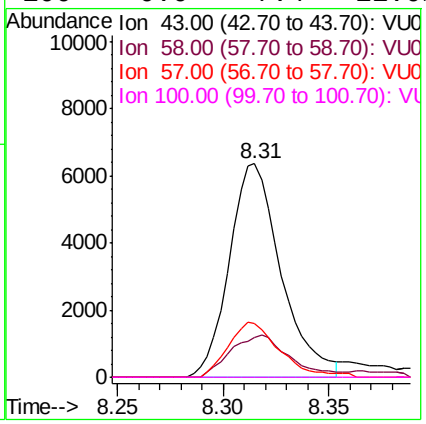


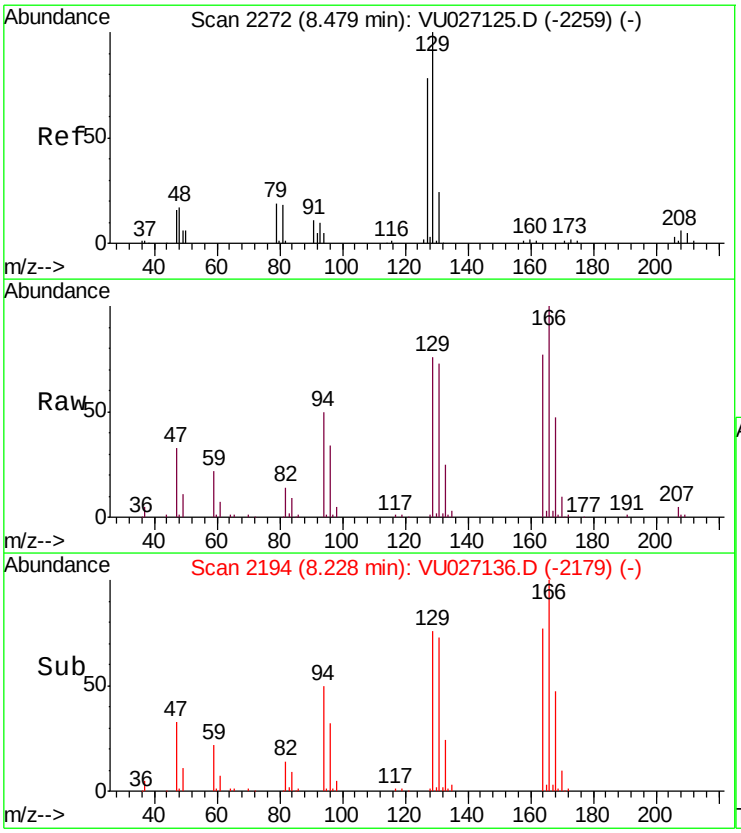

#48
2-Hexanone
Concen: 4.894 ug/L
RT: 8.31 min Scan# 2221
Delta R.T. -0.05 min
Lab File: VU027136.D
Acq: 25 Sep 2018 18:03

**Instrument :** MSVOA_U
**ClientSampleId :** E5FD9ME

Tgt Ion: 43 Resp: 10834

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 22.2 | 41.9 | 62.9# |
| 57 | 25.5 | 13.8 | 20.8# |
| 100 | 0.0 | 7.4 | 11.0# |

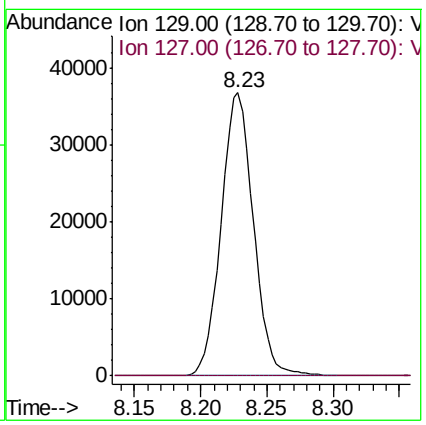


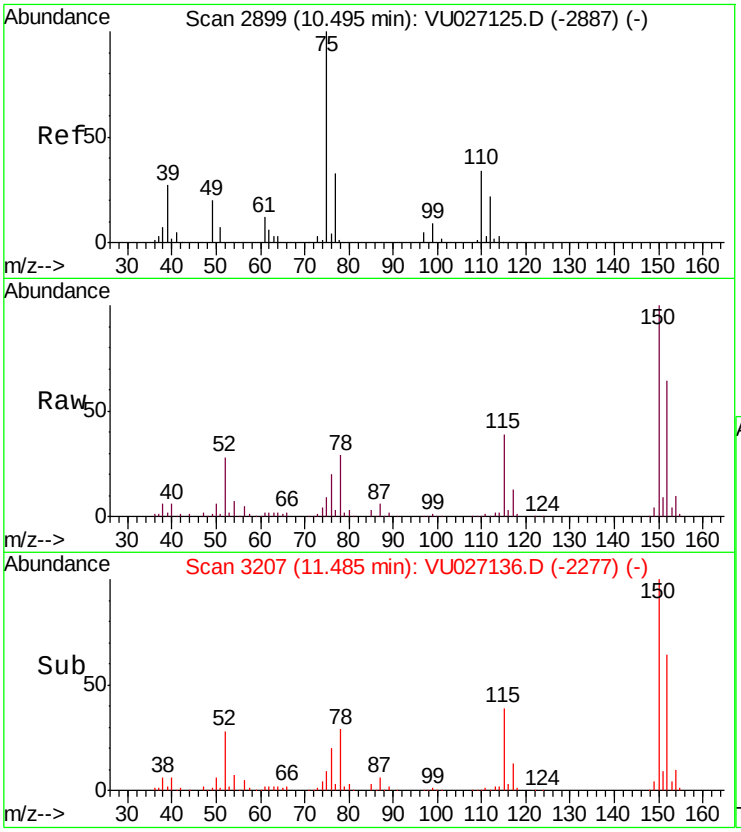




#49
Dibromochloromethane
Concen: 41.692 ug/L
RT: 8.23 min Scan# 2194
Delta R.T. -0.25 min
Lab File: VU027136.D
Acq: 25 Sep 2018 18:03

Tgt Ion:129 Resp: 62326

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 0.0 | 54.7 | 101.5# |






#59
1,2,3-Trichloropropane
Concen: 5.200 ug/L
RT: 11.49 min Scan# 3207
Delta R.T. 0.99 min
Lab File: VU027136.D
Acq: 25 Sep 2018 18:03

**Instrument :**
MSVOA_U
**ClientSampleId :**
E5FD9ME

Tgt Ion: 75 Resp: 11227

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 35.9 | 25.6 | 38.4 |