Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061219\

Quantitation Report (Not Reviewed)

Data File : VU032647.D
Acq On : 12 Jun 2019 13:25
Operator : JC/SP
Sample : K3286-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** C0JW4

Quant Time: Jun 13 05:05:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Jun 13 05:01:06 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.88 | 114 | 161395 | 50.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.08 | 117 | 154247 | 50.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152 | 76628 | 50.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.40 | 65 | 56897 | 54.34 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 108.68% | | | |
| 7) Chloroethane-d5 | 1.68 | 69 | 45143 | 53.65 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 107.30% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.27 | 63 | 84174 | 41.06 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 82.12% | | | |
| 21) 2-Butanone-d5 | 4.17 | 46 | 97338 | 111.08 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 111.08% | | | |
| 24) Chloroform-d | 4.64 | 84 | 102087 | 52.27 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 104.54% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.30 | 65 | 67649 | 54.99 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 109.98% | | | |
| 32) Benzene-d6 | 5.33 | 84 | 208448 | 52.06 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 104.12% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.32 | 67 | 66591 | 53.03 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 106.06% | | | |
| 41) Toluene-d8 | 7.56 | 98 | 195343 | 51.45 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 102.90% | | | |
| 43) trans-1,3-Dichloropropene- | 7.85 | 79 | 31018 | 51.62 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 103.24% | | | |
| 47) 2-Hexanone-d5 | 8.31 | 63 | 72028 | 118.26 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 118.26% | | | |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43 | 84 | 96805 | 53.21 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 106.42% | | | |
| 64) 1,2-Dichlorobenzene-d4 | 11.85 | 152 | 77673 | 52.92 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 105.84% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.27 | 101 | 720 | 0.730 | ug/L # | 18 |
| 12) 1,1-Dichloroethene | 2.27 | 96 | 667 | 0.696 | ug/L # | 1 |
| 13) Acetone | 2.32 | 43 | 7983 | 8.829 | ug/L | 93 |
| 15) Methyl Acetate | 2.63 | 43 | 1181 | 0.915 | ug/L # | 53 |
| 16) Methylene chloride | 2.69 | 84 | 1926 | 1.763 | ug/L | 88 |
| 27) 1,2-Dichloroethane | 5.34 | 62 | 1150 | 0.745 | ug/L # | 75 |
| 34) Trichloroethene | 6.18 | 95 | 28013 | 23.758 | ug/L | 98 |
| 35) Methylcyclohexane | 6.32 | 83 | 15449 | 8.094 | ug/L # | 19 |
| 37) 1,2-Dichloropropane | 6.32 | 63 | 7766 | 6.760 | ug/L # | 88 |
| 39) cis-1,3-Dichloropropene | 7.22 | 75 | 2161 | 1.192 | ug/L # | 68 |
| 40) 4-Methyl-2-pentanone | 7.41 | 43 | 35828 | 19.385 | ug/L # | 52 |
| 44) trans-1,3-Dichloropropene | 7.85 | 75 | 1532 | 0.952 | ug/L | 95 |
| 46) Tetrachloroethene | 8.22 | 164 | 1675 | 1.720 | ug/L | 85 |
| 49) Dibromochloromethane | 8.22 | 129 | 1609 | 1.274 | ug/L # | 11 |
| 59) 1,2,3-Trichloropropane | 11.48 | 75 | 9203 | 6.162 | ug/L | 92 |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061219\

Quantitation Report (Not Reviewed)

Data File : VU032647.D
Acq On : 12 Jun 2019 13:25
Operator : JC/SP
Sample : K3286-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** C0JW4

Quant Time: Jun 13 05:05:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Jun 13 05:01:06 2019
Response via : Initial Calibration

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

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

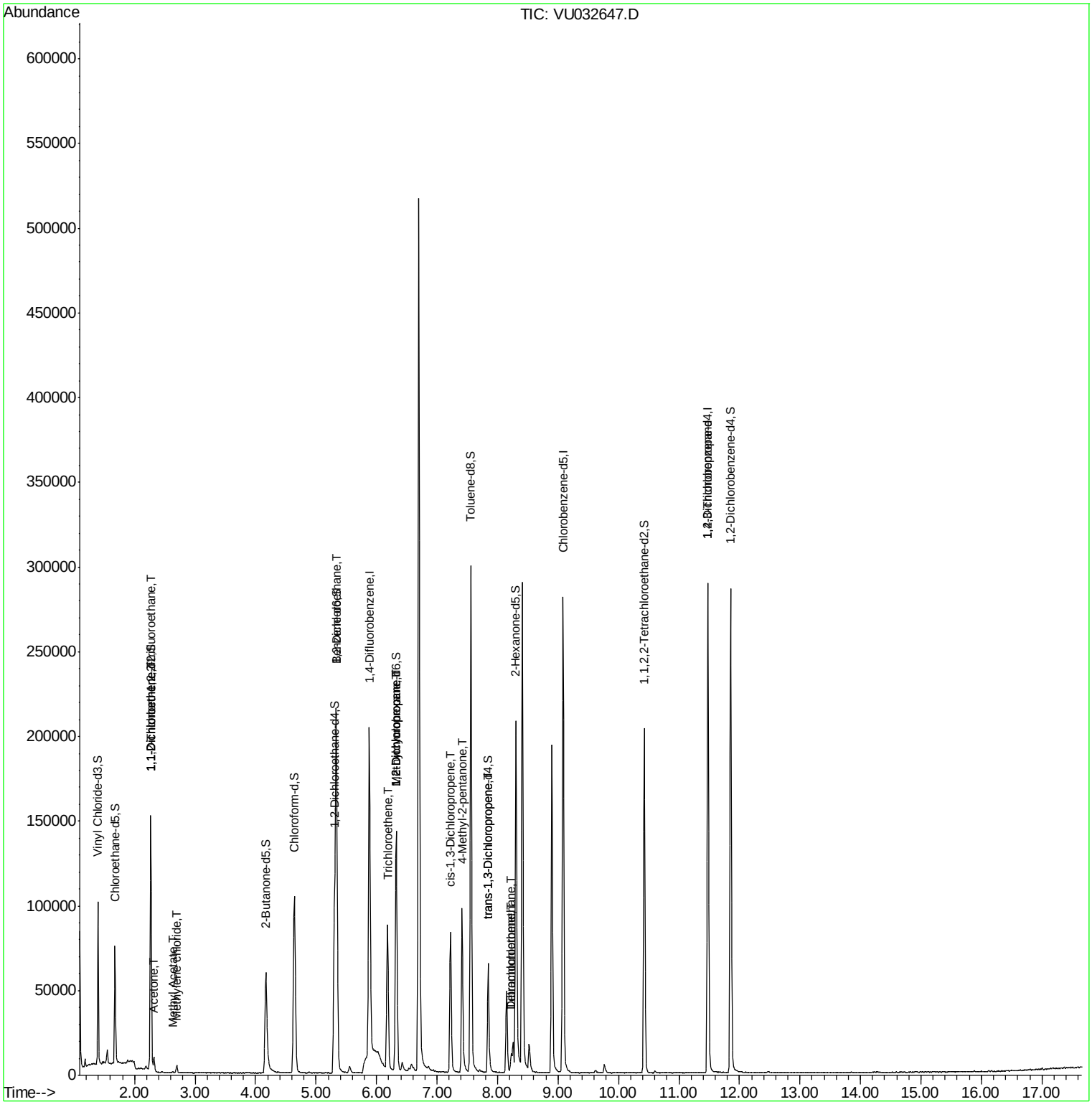
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061219\

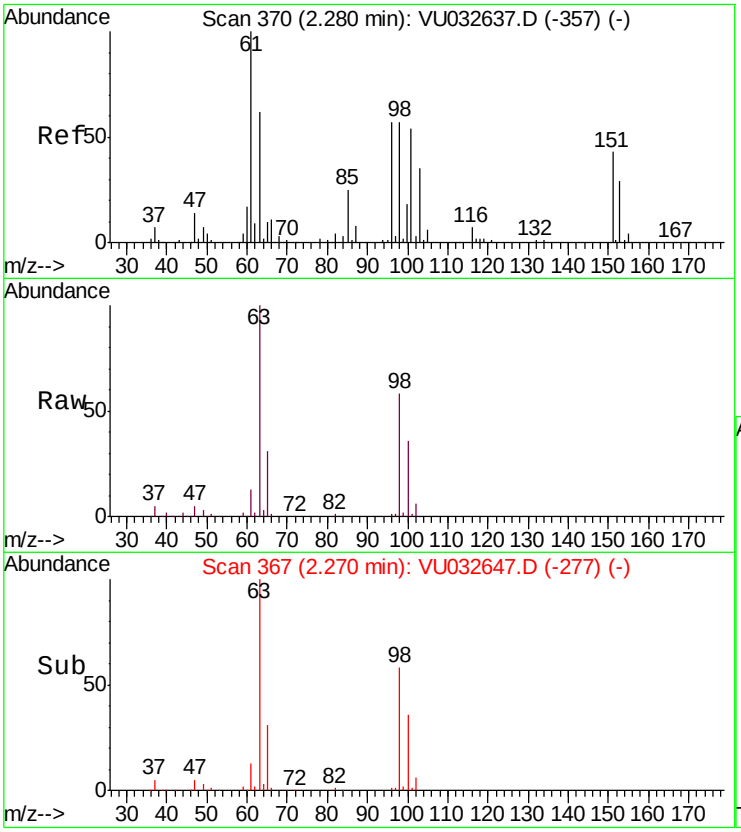
Quantitation Report (Not Reviewed)

Data File : VU032647.D
Acq On : 12 Jun 2019 13:25
Operator : JC/SP
Sample : K3286-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** MSVOA_U
**ClientSampleId :** C0JW4

Quant Time: Jun 13 05:05:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Jun 13 05:01:06 2019
Response via : Initial Calibration



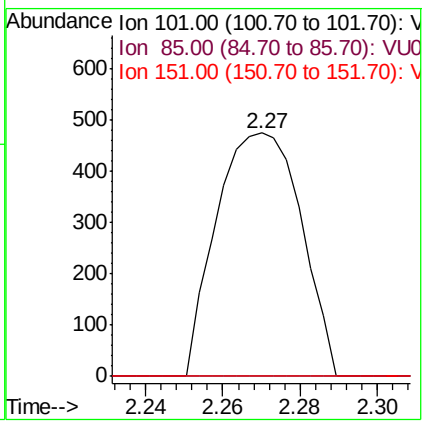


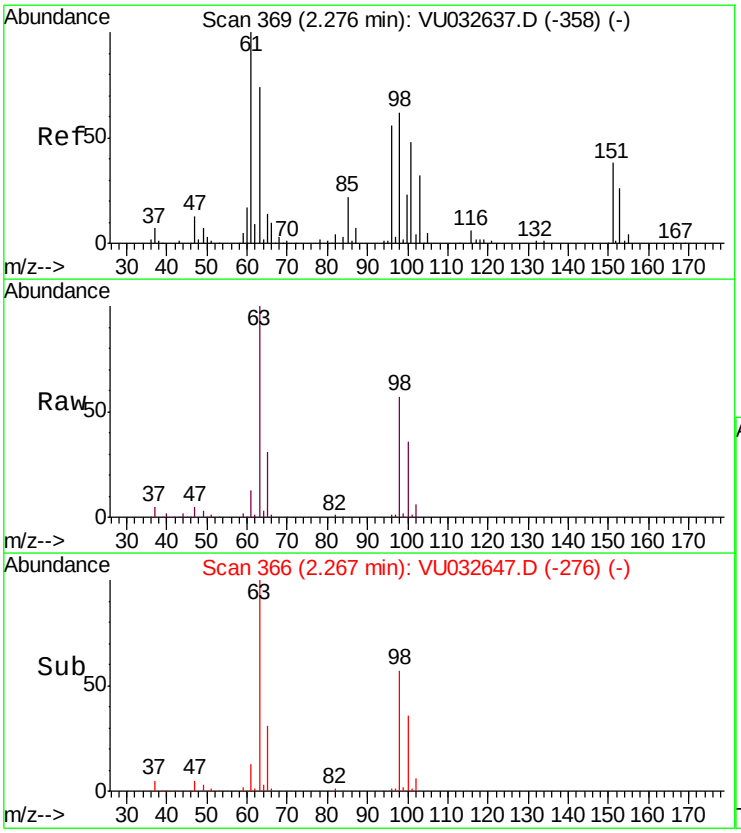

#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.730 ug/L
RT: 2.27 min Scan# 367
Delta R.T. -0.01 min
Lab File: VU032647.D
Acq: 12 Jun 2019 13:25

**Instrument :** MSVOA_U
**ClientSampleId :** C0JW4

Tgt Ion:101 Resp: 720

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 0.0 | 36.1 | 54.1# |
| 151 | 0.0 | 63.0 | 94.4# |

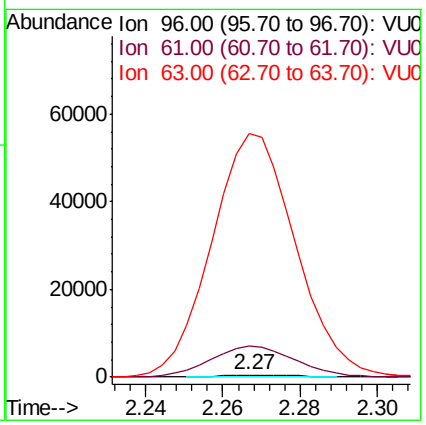


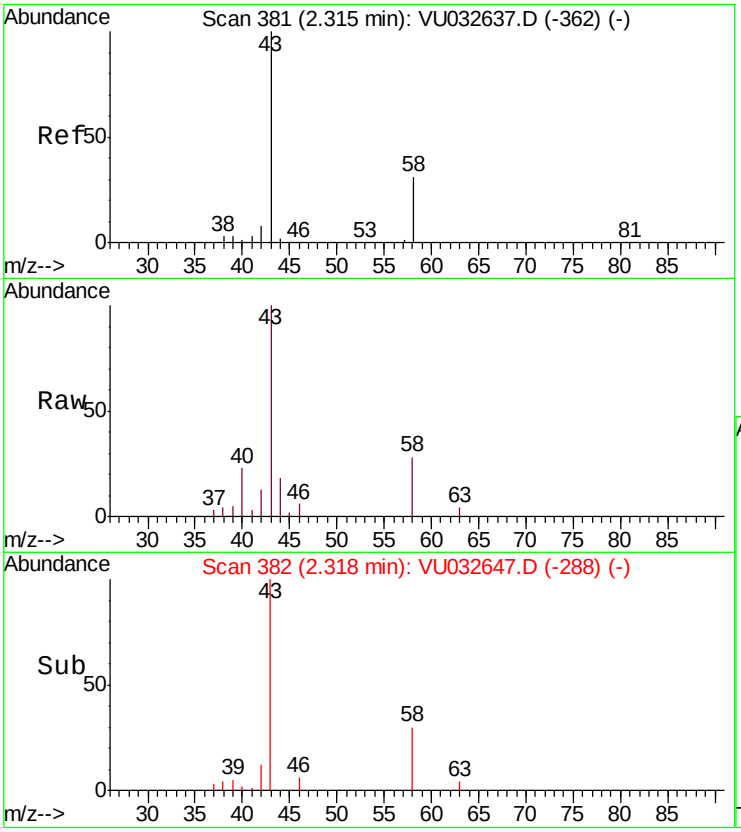




#12
1,1-Dichloroethene
Concen: 0.696 ug/L
RT: 2.27 min Scan# 366
Delta R.T. -0.01 min
Lab File: VU032647.D
Acq: 12 Jun 2019 13:25

Tgt Ion: 96 Resp: 667

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 1561.1 | 129.5 | 240.5# |
| 63 | 12261.4 | 103.4 | 192.0# |



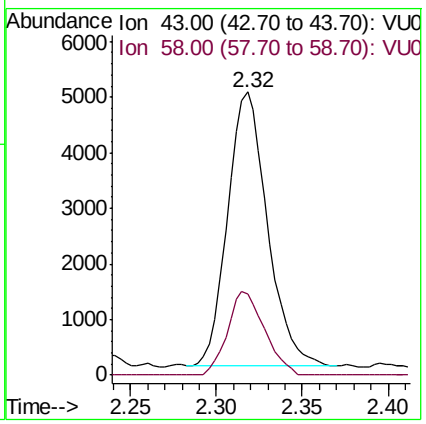


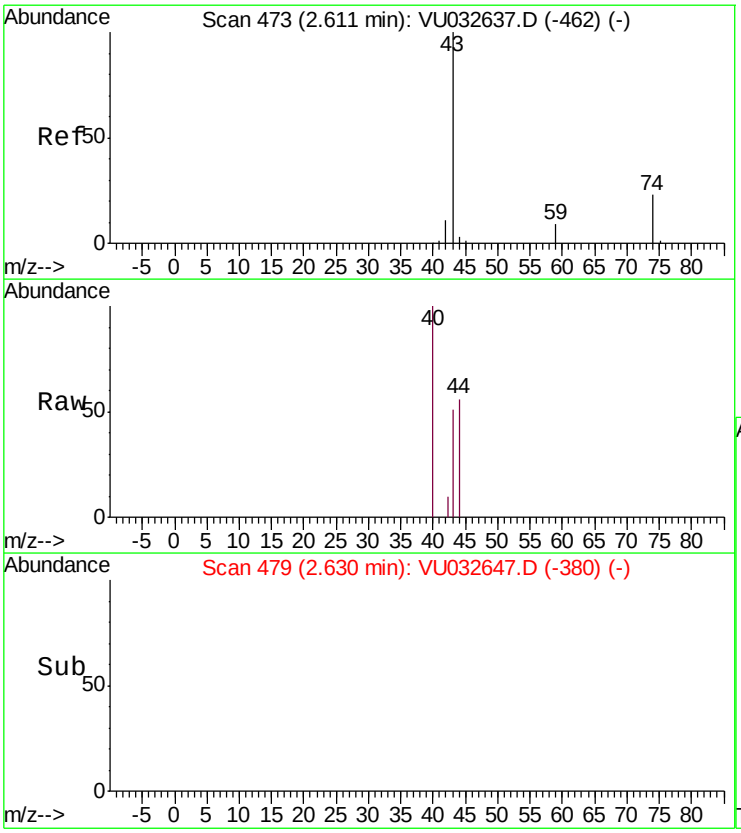

#13
Acetone
Concen: 8.829 ug/L
RT: 2.32 min Scan# 382
Delta R.T. 0.00 min
Lab File: VU032647.D
Acq: 12 Jun 2019 13:25

**Instrument :** MSVOA_U
**ClientSampleId :** C0JW4

Tgt Ion: 43 Resp: 7983

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 28.1 | 0.0 | 64.0 |

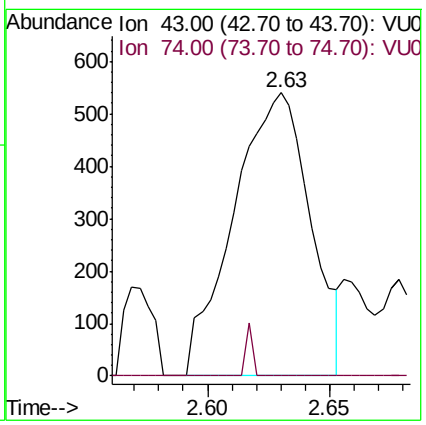


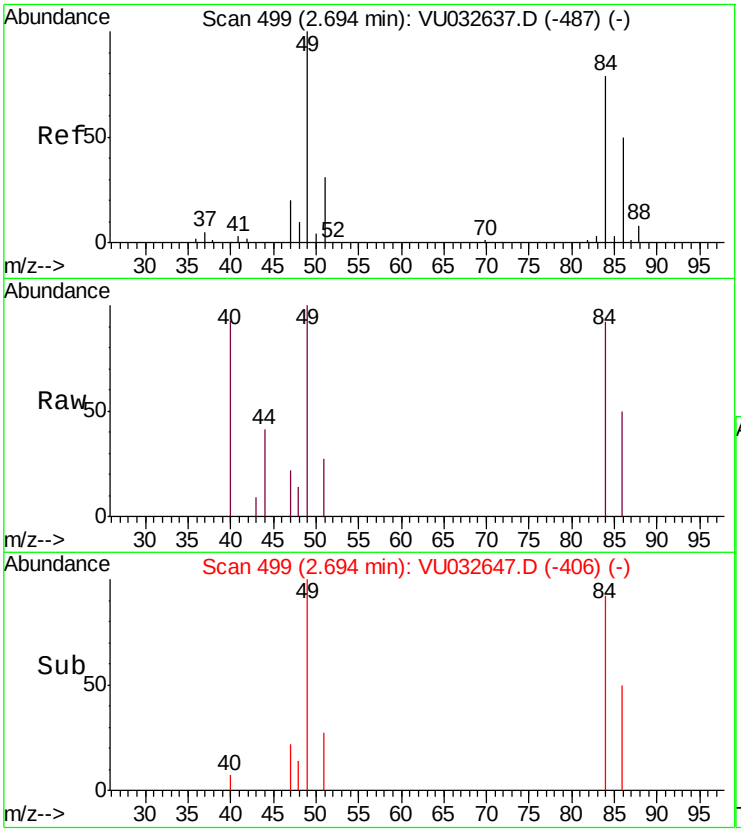




#15
Methyl Acetate
Concen: 0.915 ug/L
RT: 2.63 min Scan# 479
Delta R.T. 0.02 min
Lab File: VU032647.D
Acq: 12 Jun 2019 13:25

Tgt Ion: 43 Resp: 1181

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 0.0 | 18.0 | 27.0# |



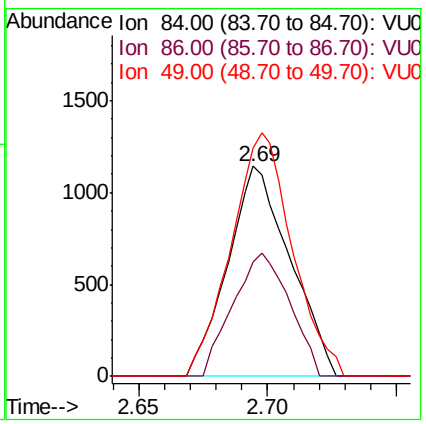


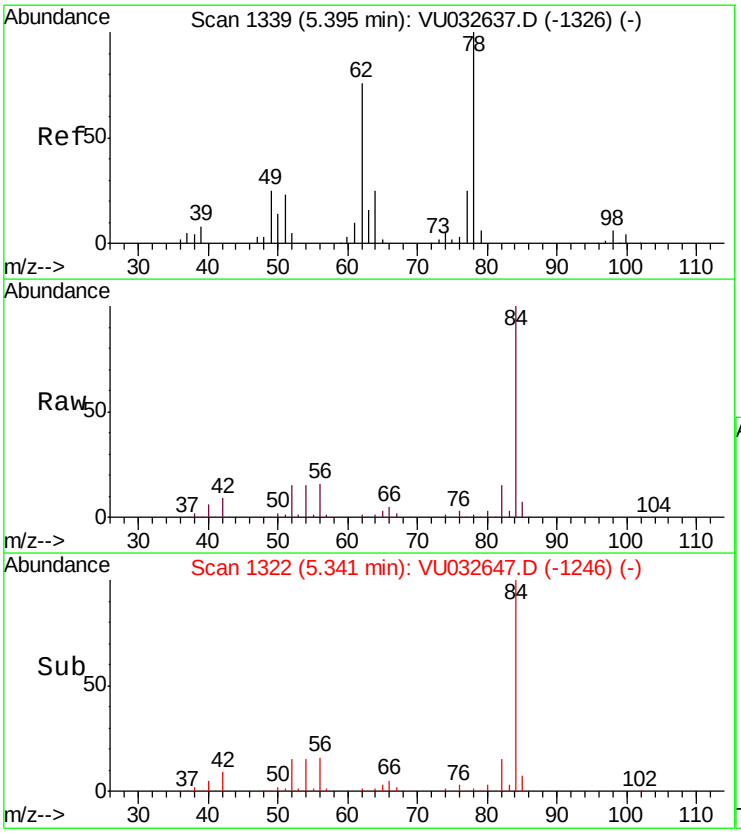

#16
Methylene chloride
Concen: 1.763 ug/L
RT: 2.69 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU032647.D
Acq: 12 Jun 2019 13:25

**Instrument :** MSVOA_U
**ClientSampleId :** C0JW4

Tgt Ion: 84 Resp: 1926

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 54.3 | 44.7 | 82.9 |
| 49 | 108.8 | 86.1 | 159.9 |

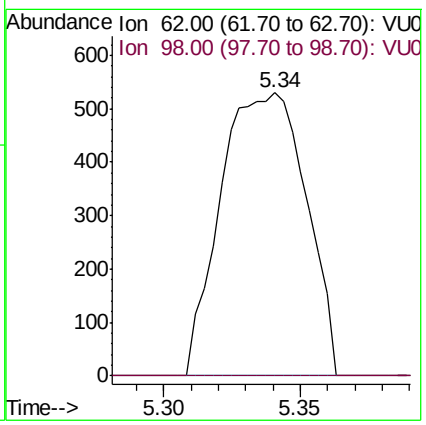


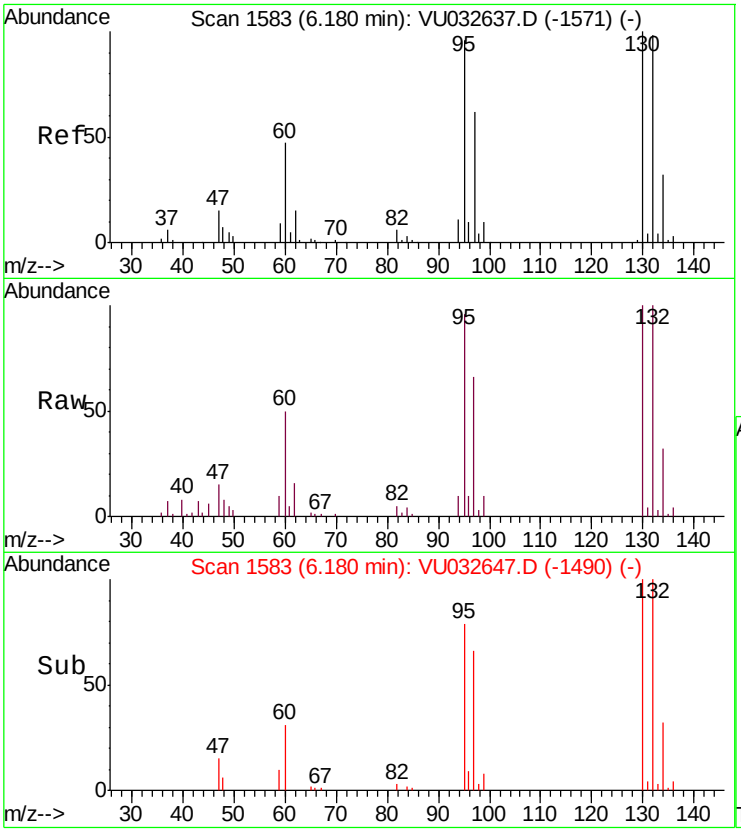




#27
1,2-Dichloroethane
Concen: 0.745 ug/L
RT: 5.34 min Scan# 1322
Delta R.T. -0.05 min
Lab File: VU032647.D
Acq: 12 Jun 2019 13:25

Tgt Ion: 62 Resp: 1150

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 0.0 | 7.2 | 10.8# |



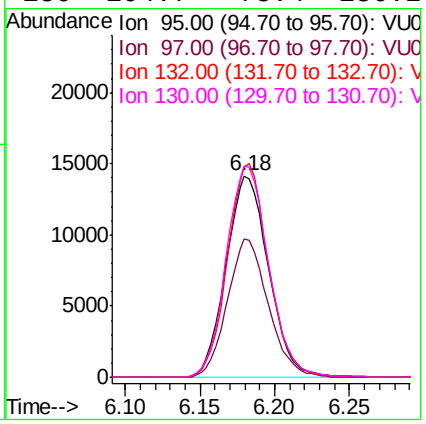


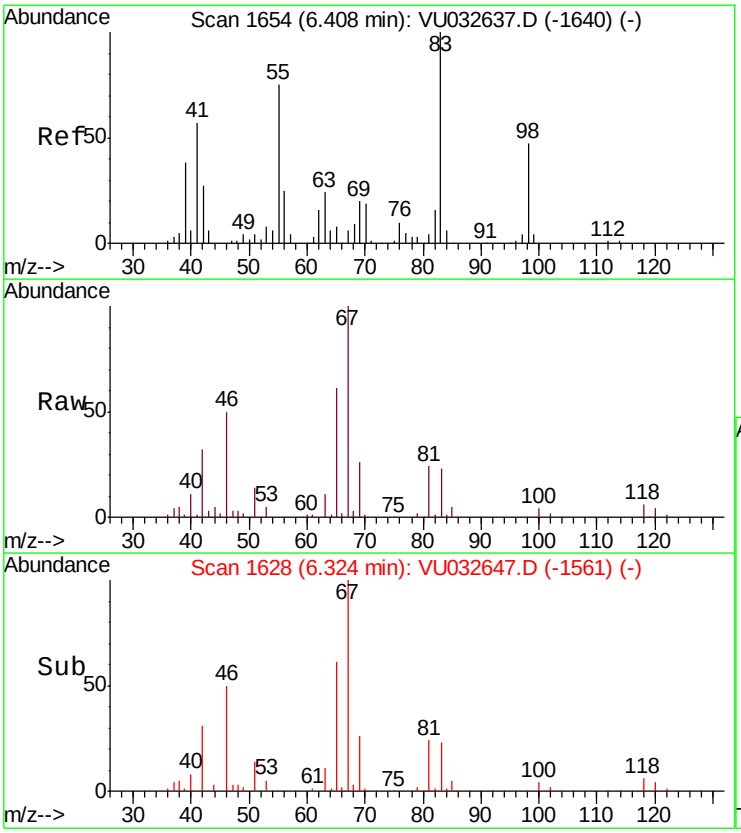

#34
Trichloroethene
Concen: 23.758 ug/L
RT: 6.18 min Scan# 1583
Delta R.T. 0.00 min
Lab File: VU032647.D
Acq: 12 Jun 2019 13:25

**Instrument :** MSVOA_U
**ClientSampleId :** C0JW4

Tgt Ion: 95 Resp: 28013

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 68.6 | 45.8 | 85.2 |
| 132 | 104.5 | 71.0 | 131.8 |
| 130 | 104.7 | 73.4 | 136.2 |

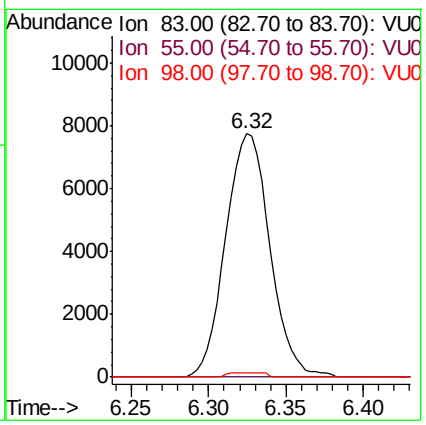


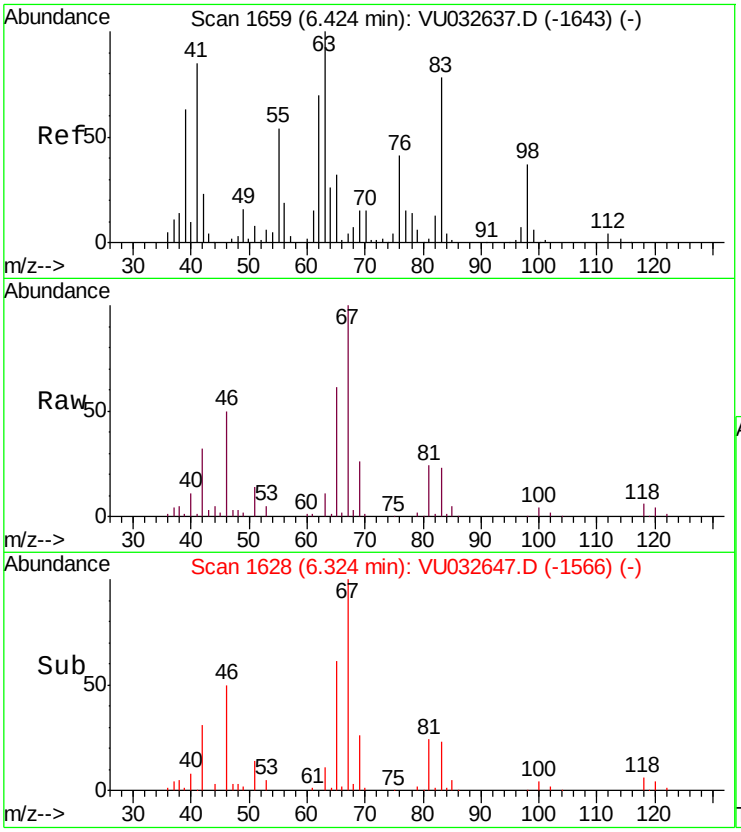




#35
Methylcyclohexane
Concen: 8.094 ug/L
RT: 6.32 min Scan# 1628
Delta R.T. -0.08 min
Lab File: VU032647.D
Acq: 12 Jun 2019 13:25

Tgt Ion: 83 Resp: 15449

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 0.0 | 60.2 | 90.4# |
| 98 | 0.8 | 37.4 | 56.2# |



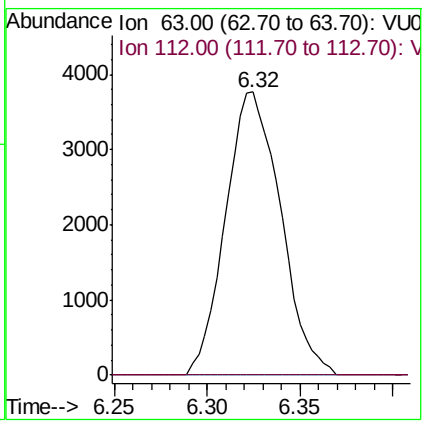


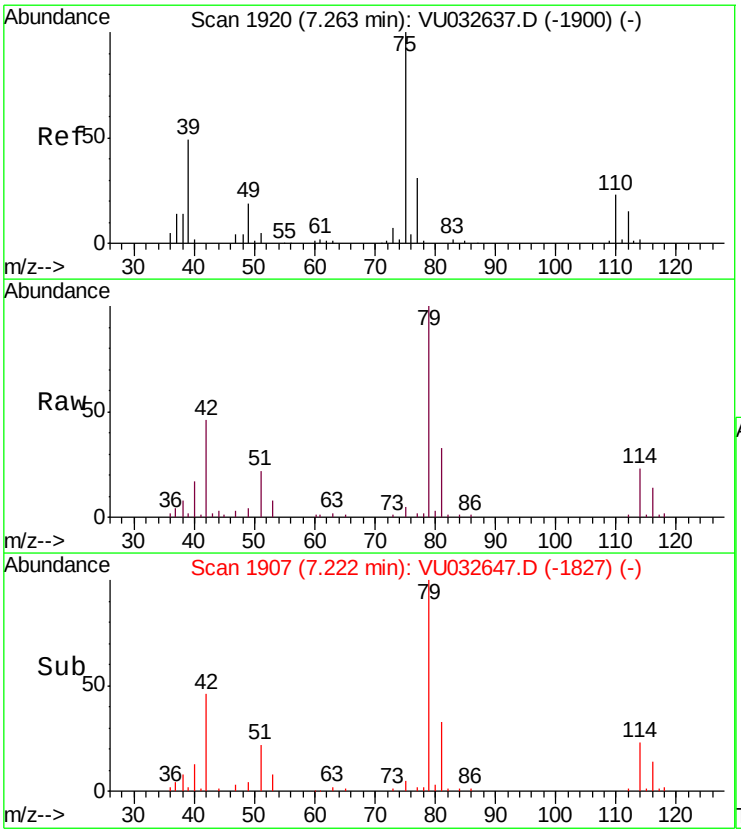

#37
1,2-Dichloropropane
Concen: 6.760 ug/L
RT: 6.32 min Scan# 1628
Delta R.T. -0.10 min
Lab File: VU032647.D
Acq: 12 Jun 2019 13:25

**Instrument :** MSVOA_U
**ClientSampleId :** C0JW4

Tgt Ion: 63 Resp: 7766

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 0.0 | 3.1 | 4.7# |

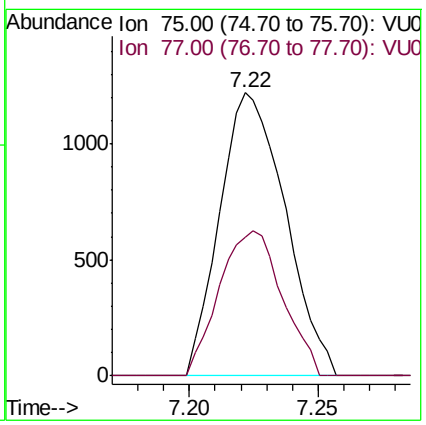


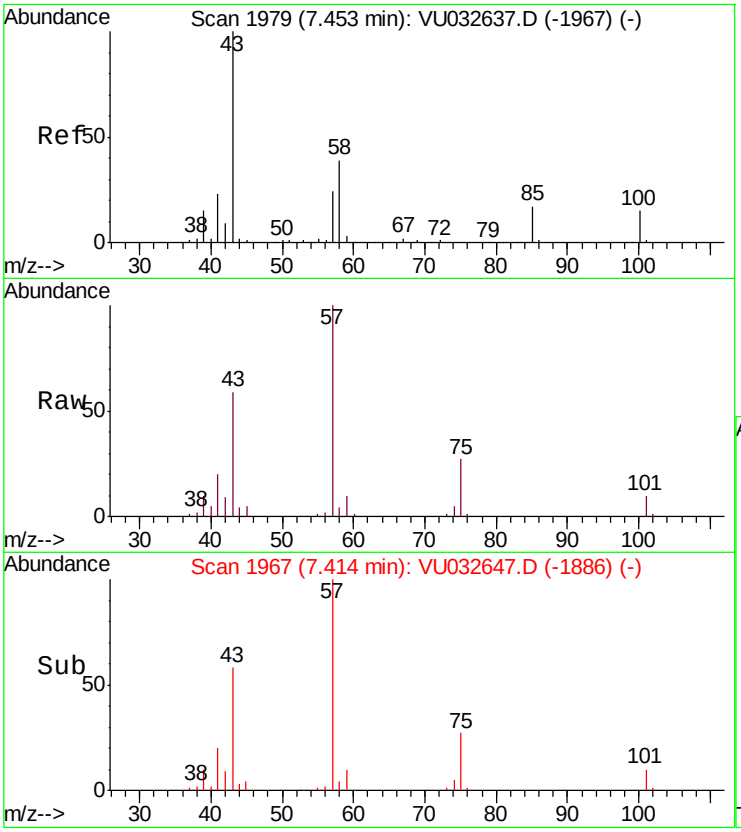




#39
cis-1,3-Dichloropropene
Concen: 1.192 ug/L
RT: 7.22 min Scan# 1907
Delta R.T. -0.04 min
Lab File: VU032647.D
Acq: 12 Jun 2019 13:25

Tgt Ion: 75 Resp: 2161

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 49.0 | 22.0 | 41.0# |



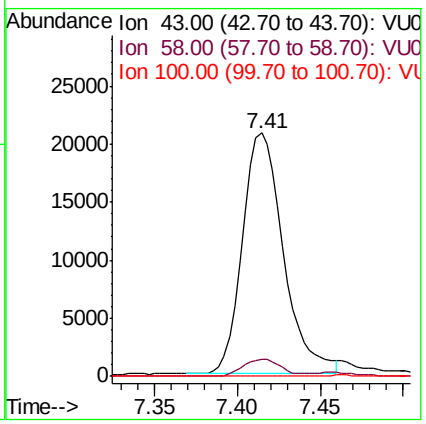


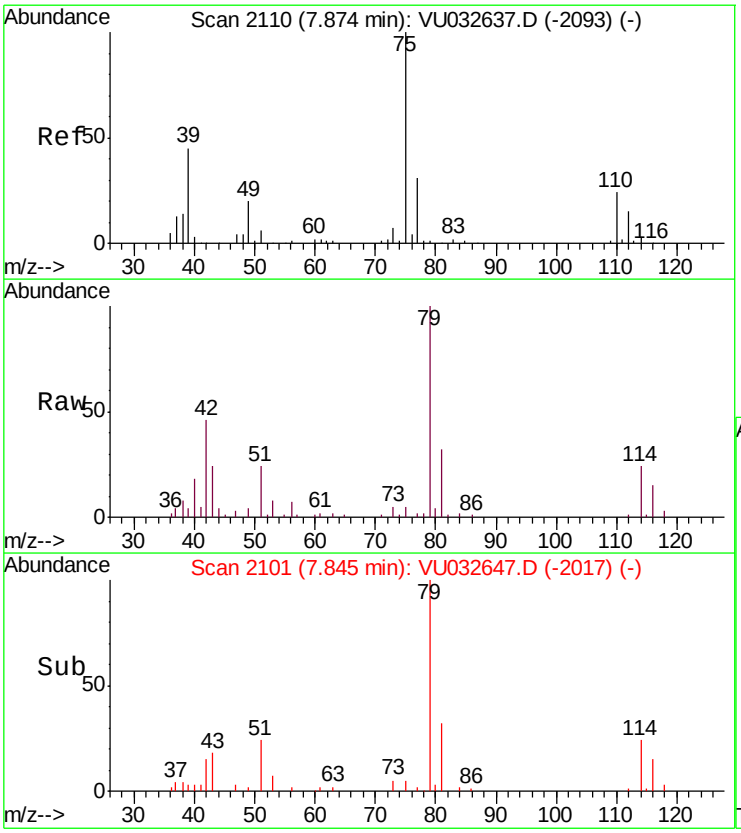

#40
4-Methyl-2-pentanone
Concen: 19.385 ug/L
RT: 7.41 min Scan# 1967
Delta R.T. -0.04 min
Lab File: VU032647.D
Acq: 12 Jun 2019 13:25

**Instrument :** MSVOA_U
**ClientSampleId :** C0JW4

Tgt Ion: 43 Resp: 35828

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 6.6 | 30.8 | 46.2# |
| 100 | 0.0 | 12.1 | 18.1# |

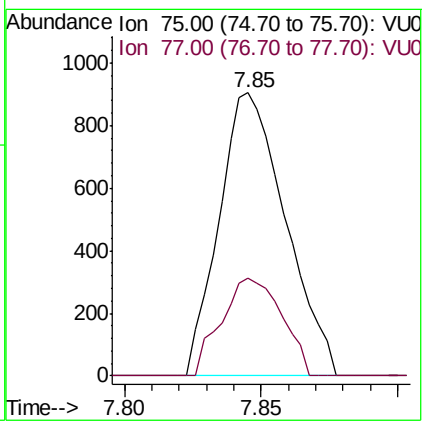


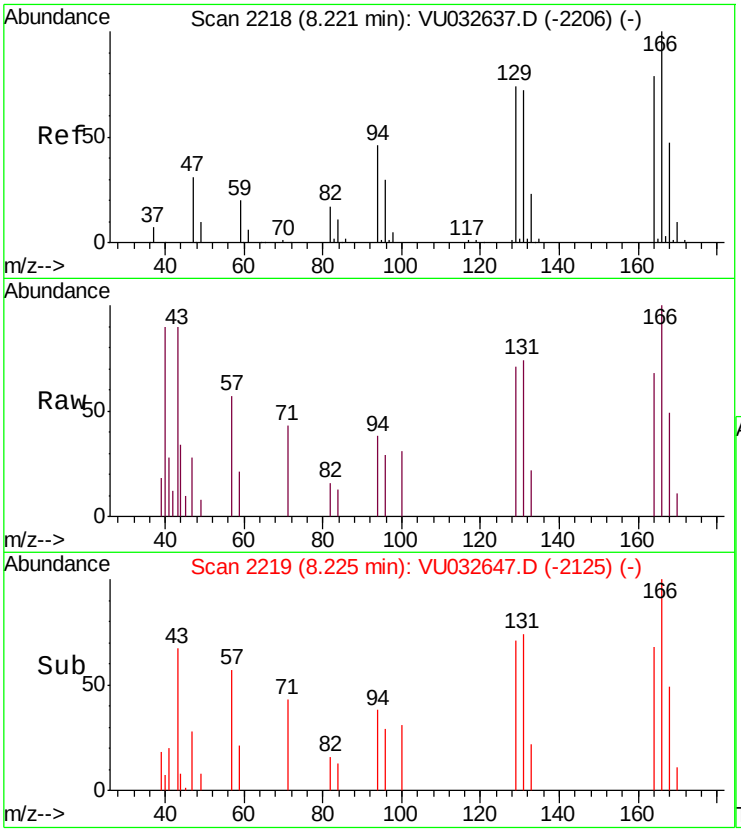




#44
trans-1,3-Dichloropropene
Concen: 0.952 ug/L
RT: 7.85 min Scan# 2101
Delta R.T. -0.03 min
Lab File: VU032647.D
Acq: 12 Jun 2019 13:25

Tgt Ion: 75 Resp: 1532

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 34.6 | 22.1 | 41.1 |



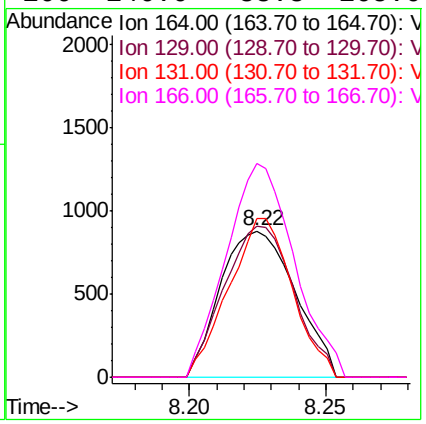


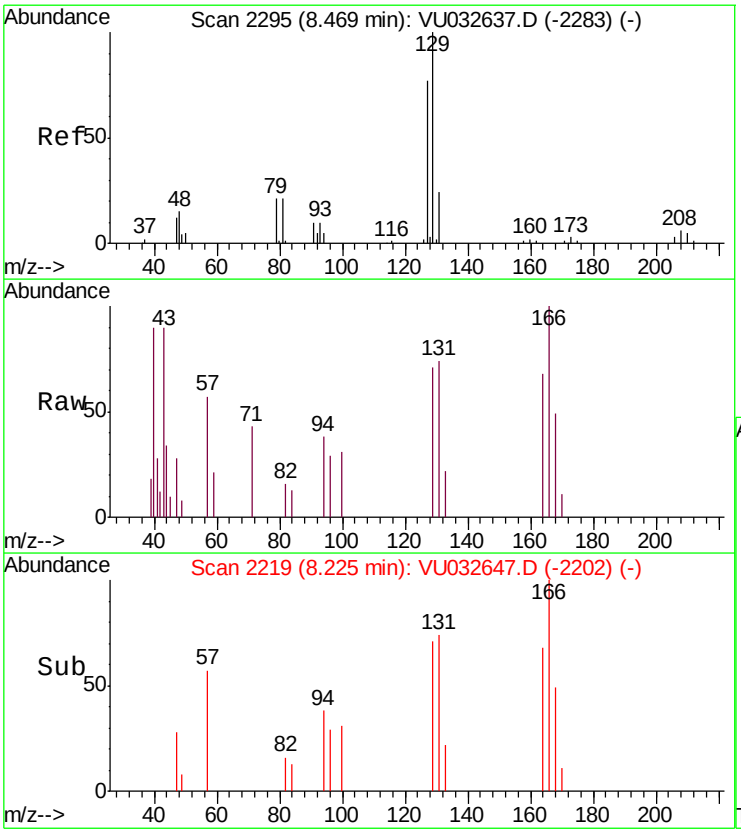

#46
Tetrachloroethene
Concen: 1.720 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU032647.D
Acq: 12 Jun 2019 13:25

**Instrument :** MSVOA_U
**ClientSampleId :** C0JW4

Tgt Ion:164 Resp: 1675

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 103.6 | 65.3 | 121.3 |
| 131 | 108.5 | 64.0 | 119.0 |
| 166 | 146.0 | 88.8 | 165.0 |

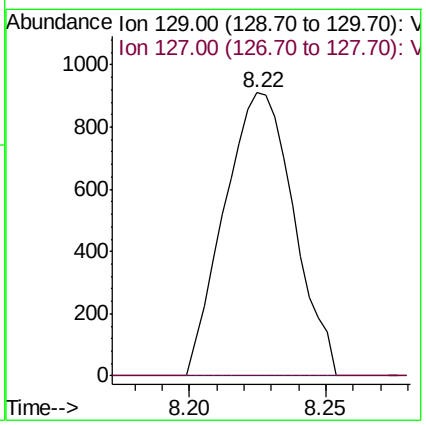


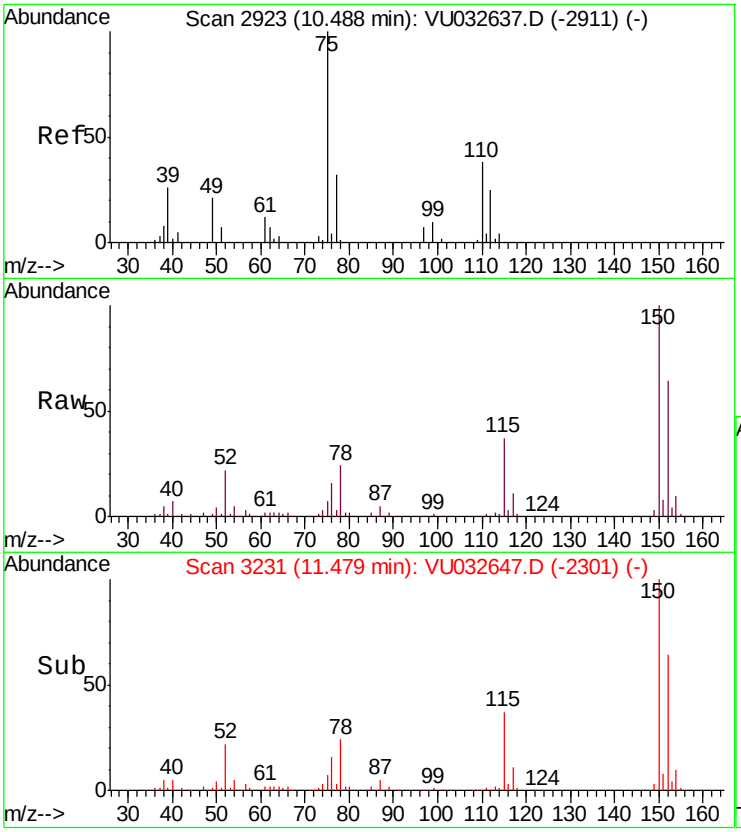




#49
Dibromochloromethane
Concen: 1.274 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. -0.24 min
Lab File: VU032647.D
Acq: 12 Jun 2019 13:25

Tgt Ion:129 Resp: 1609

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 0.0 | 53.6 | 99.6# |






#59
1,2,3-Trichloropropane
Concen: 6.162 ug/L
RT: 11.48 min Scan# 3231
Delta R.T. 0.99 min
Lab File: VU032647.D
Acq: 12 Jun 2019 13:25

**Instrument :**
MSVOA_U
**ClientSampleId :**
C0JW4

Tgt Ion: 75 Resp: 9203

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 36.3 | 25.6 | 38.4 |