Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091924\
Data File : VU060905.D
Acq On : 19 Sep 2024 17:56
Operator : MD/SY
Sample : P3952-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: Sep 19 23:59:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Sep 19 23:54:48 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Difluorobenzene | 6.242 | 114 | 134146 | 5.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.412 | 117 | 141590 | 5.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 11.807 | 152 | 58097 | 5.000 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) Vinyl Chloride-d3 | 1.596 | 65 | 36191 | 3.000 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 60.000% | | | |
| 7) Chloroethane-d5 | 1.911 | 69 | 34364 | 4.000 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 80.000% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.560 | 65 | 15204 | 3.555 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 71.200% | | | |
| 20) 2-Butanone-d5 | 4.631 | 46 | 97098 | 50.129 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 100.260% | | | |
| 24) Chloroform-d | 5.055 | 84 | 82768 | 4.487 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 89.800% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.695 | 65 | 42653 | 4.838 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 96.800% | | | |
| 32) Benzene-d6 | 5.721 | 84 | 152879 | 4.028 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 80.600% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.682 | 67 | 53124 | 4.524 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 90.400% | | | |
| 41) Toluene-d8 | 7.894 | 98 | 132099 | 3.818 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 76.400% | | | |
| 43) trans-1,3-Dichloroprop... | 8.177 | 79 | 18803 | 4.449 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 89.000% | | | |
| 46) 2-Hexanone-d5 | 8.631 | 63 | 81061 | 48.620 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 97.240% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 10.750 | 84 | 42801 | 4.653 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 93.000% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 12.187 | 152 | 48950 | 5.014 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 100.200% | | | |
| Target Compounds | | | | | | Qvalue |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.580 | 101 | 2265 | 0.245 | ug/L # | 84 |
| 12) 1,1-Dichloroethene | 2.573 | 96 | 25849 | 3.063 | ug/L | 92 |
| 16) Methylene chloride | 3.043 | 84 | 5789 | 0.592 | ug/L | 94 |
| 17) Methyl tert-butyl Ether | 3.361 | 73 | 1808 | 0.095 | ug/L # | 85 |
| 19) 1,1-Dichloroethane | 3.859 | 63 | 34098 | 1.942 | ug/L | 97 |
| 22) cis-1,2-Dichloroethene | 4.657 | 96 | 203179 | 20.996 | ug/L | 95 |
| 25) Chloroform | 5.087 | 83 | 6584 | 0.360 | ug/L | 91 |
| 29) 1,1,1-Trichloroethane | 5.306 | 97 | 7492 | 0.490 | ug/L | 92 |
| 34) Trichloroethene | 6.534 | 95 | 735691 | 72.084 | ug/L | 97 |
| 35) Methylcyclohexane | 6.686 | 83 | 12882 | 0.920 | ug/L # | 17 |
| 37) 1,2-Dichloropropane | 6.686 | 63 | 5240 | 0.488 | ug/L # | 93 |
| 42) Toluene | 7.975 | 91 | 3693 | 0.091 | ug/L # | 22 |
| 47) Tetrachloroethene | 8.547 | 164 | 173996 | 21.453 | ug/L | 99 |
| 49) Dibromochloromethane | 8.547 | 129 | 167127 | 18.956 | ug/L # | 9 |
| 61) 1,2,3-Trichloropropane | 11.807 | 75 | 6055 | 1.117 | ug/L # | 64 |

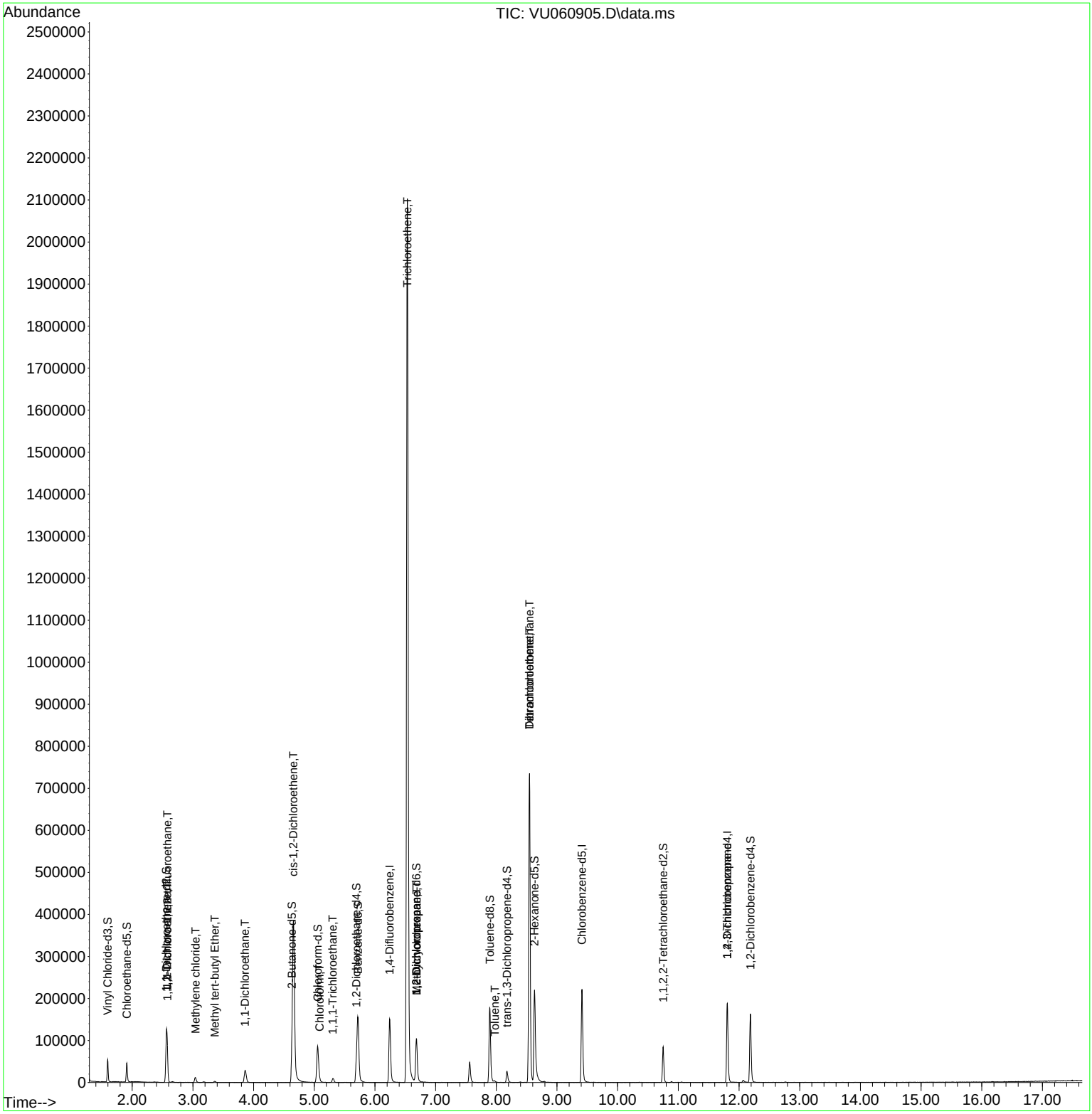
(#) = qualifier out of range (m) = manual integration (+) = signals summed

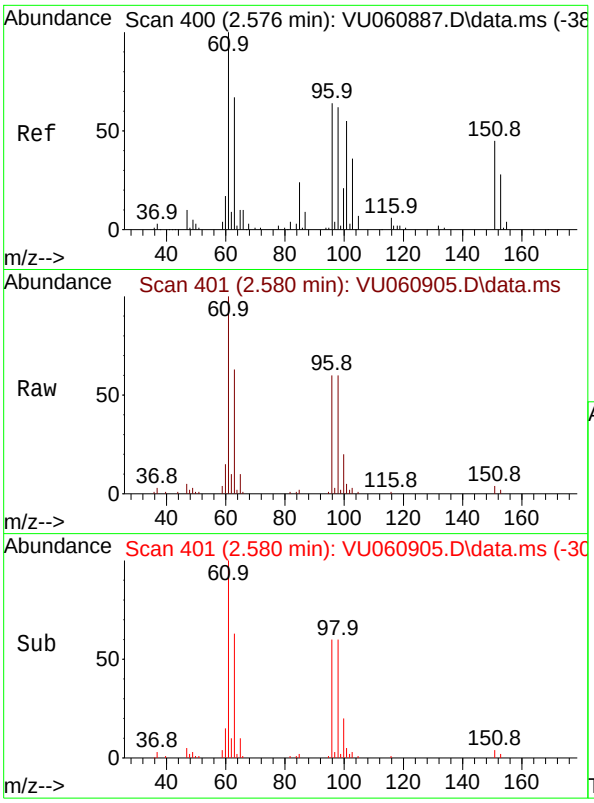
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091924\
Data File : VU060905.D
Acq On : 19 Sep 2024 17:56
Operator : MD/SY
Sample : P3952-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: Sep 19 23:59:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Sep 19 23:54:48 2024
Response via : Initial Calibration



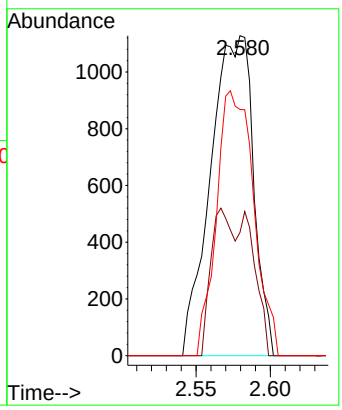


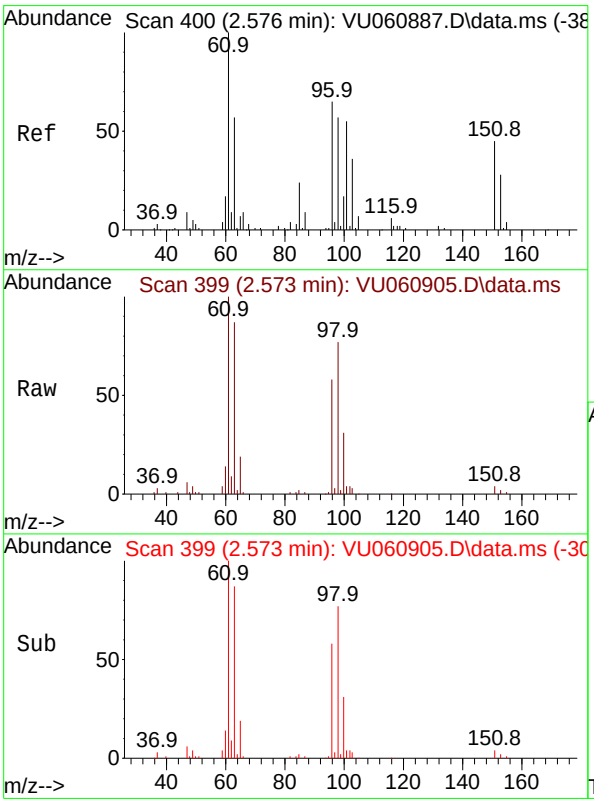

#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.245 ug/L
RT: 2.580 min Scan# 4(
Delta R.T. 0.003 min
Lab File: VU060905.D
Acq: 19 Sep 2024 17:56

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

Tgt Ion:101 Resp: 2265

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 18.0 | 34.2 | 51.4# |
| 151 | 71.7 | 58.6 | 88.0 |

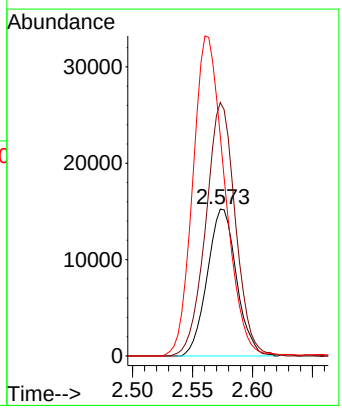


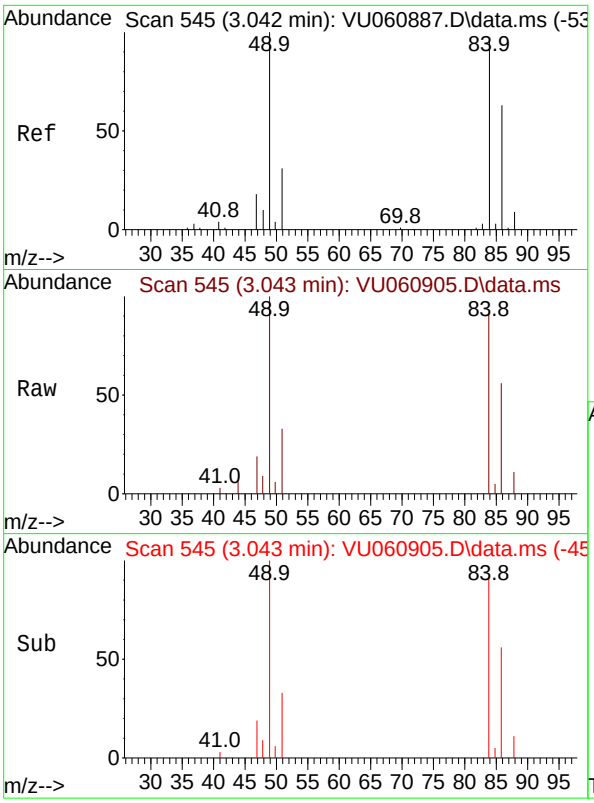




#12
1,1-Dichloroethene
Concen: 3.063 ug/L
RT: 2.573 min Scan# 399
Delta R.T. -0.003 min
Lab File: VU060905.D
Acq: 19 Sep 2024 17:56

Tgt Ion: 96 Resp: 25849

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 172.5 | 120.7 | 224.1 |
| 63 | 149.7 | 90.0 | 167.2 |



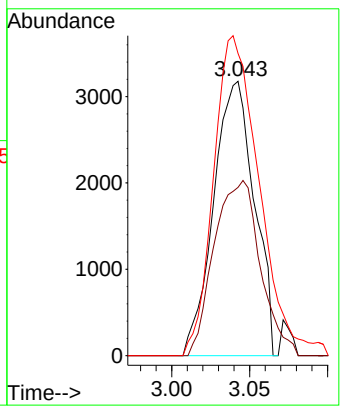


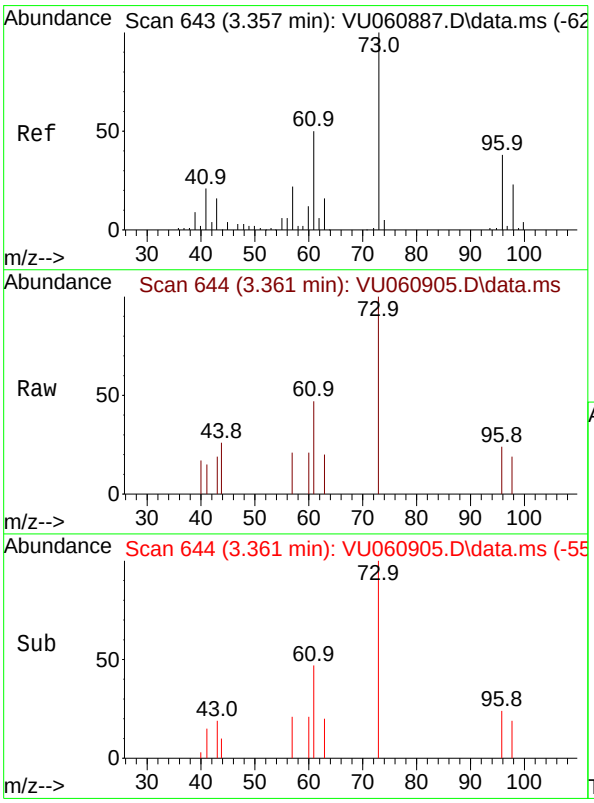

#16
Methylene chloride
Concen: 0.592 ug/L
RT: 3.043 min Scan# 54
Delta R.T. 0.000 min
Lab File: VU060905.D
Acq: 19 Sep 2024 17:56

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

Tgt Ion: 84 Resp: 5789

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 61.3 | 47.3 | 87.8 |
| 49 | 117.2 | 78.7 | 146.1 |

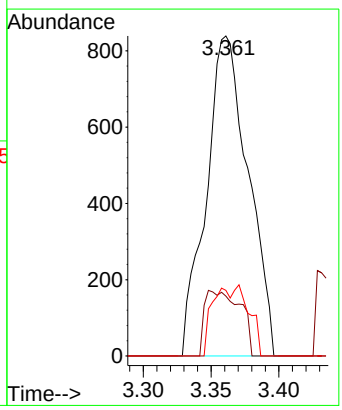


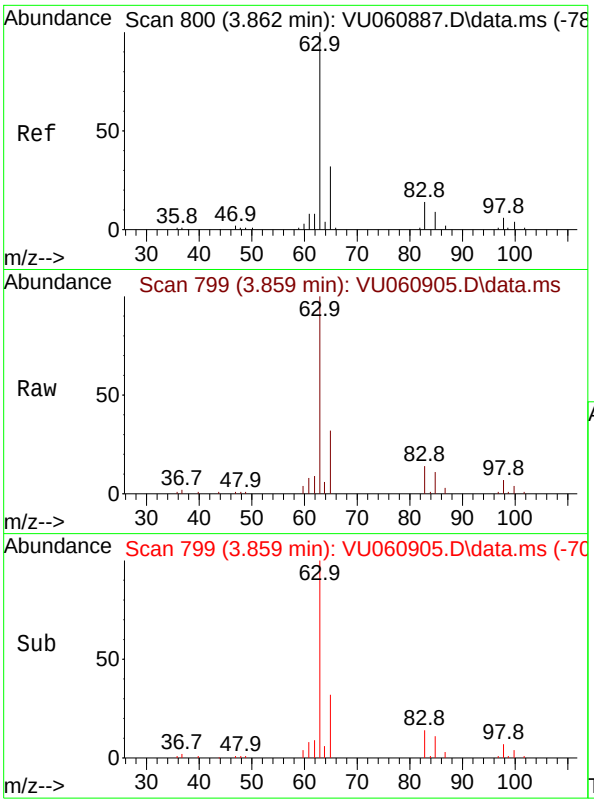




#17
Methyl tert-butyl Ether
Concen: 0.095 ug/L
RT: 3.361 min Scan# 644
Delta R.T. 0.003 min
Lab File: VU060905.D
Acq: 19 Sep 2024 17:56

Tgt Ion: 73 Resp: 1808

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 43 | 17.3 | 13.8 | 20.8 |
| 57 | 9.8 | 18.0 | 27.0# |



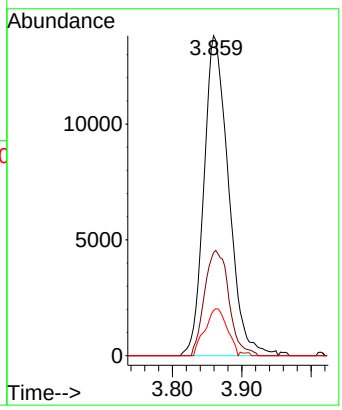


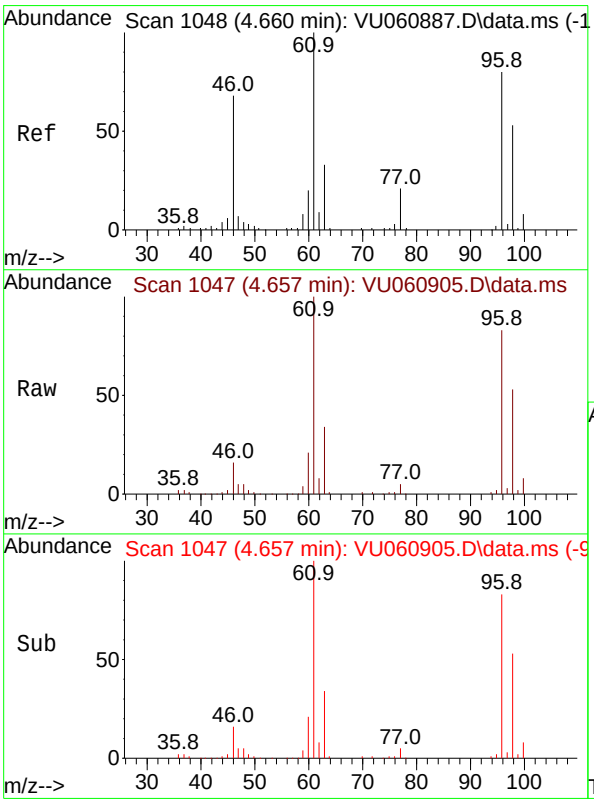

#19
1,1-Dichloroethane
Concen: 1.942 ug/L
RT: 3.859 min Scan# 7
Delta R.T. -0.003 min
Lab File: VU060905.D
Acq: 19 Sep 2024 17:56

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

Tgt Ion: 63 Resp: 34098

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.5 | 23.0 | 42.8 |
| 83 | 13.4 | 9.0 | 16.6 |

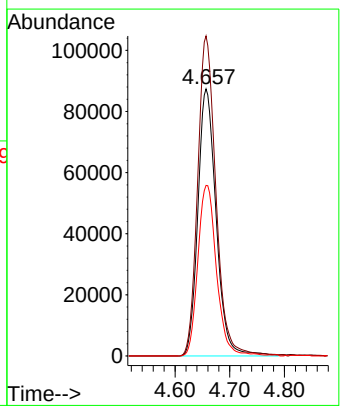


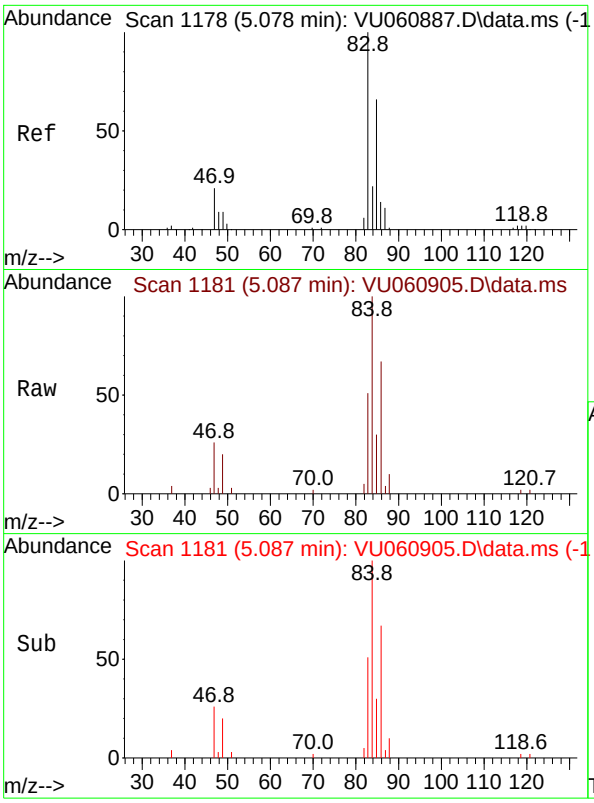




#22
cis-1,2-Dichloroethene
Concen: 20.996 ug/L
RT: 4.657 min Scan# 1047
Delta R.T. -0.003 min
Lab File: VU060905.D
Acq: 19 Sep 2024 17:56

Tgt Ion: 96 Resp: 203179

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 119.8 | 89.7 | 166.5 |
| 98 | 63.9 | 45.1 | 83.9 |



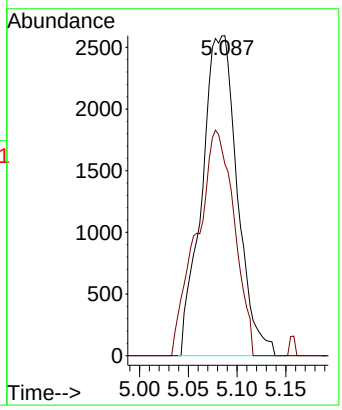


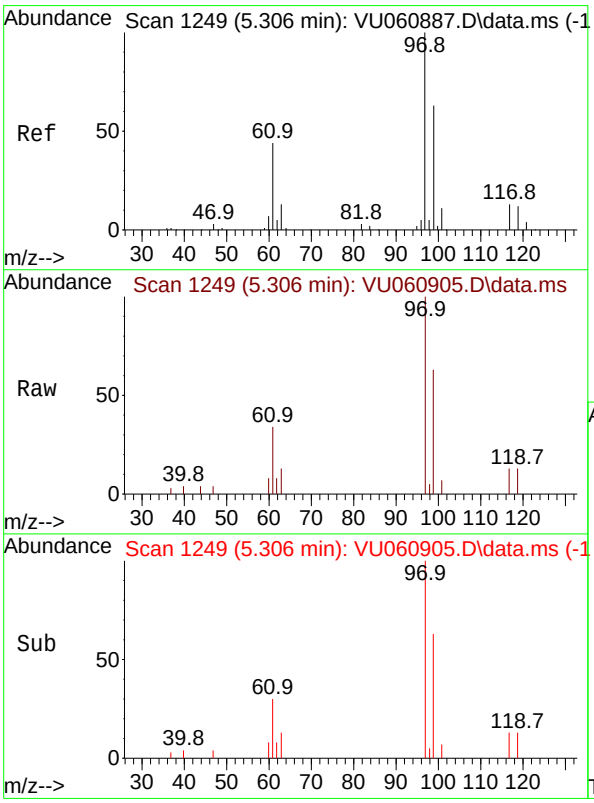

#25
Chloroform
Concen: 0.360 ug/L
RT: 5.087 min Scan# 11
Delta R.T. 0.010 min
Lab File: VU060905.D
Acq: 19 Sep 2024 17:56

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

Tgt Ion: 83 Resp: 6584

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 59.8 | 46.8 | 86.8 |

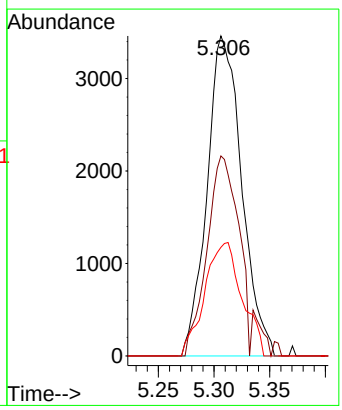


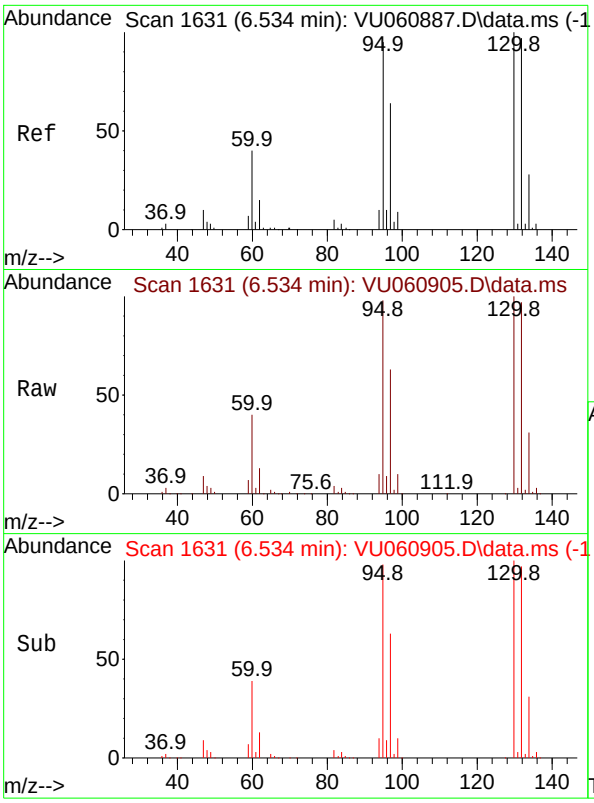




#29
1,1,1-Trichloroethane
Concen: 0.490 ug/L
RT: 5.306 min Scan# 1249
Delta R.T. 0.000 min
Lab File: VU060905.D
Acq: 19 Sep 2024 17:56

Tgt Ion: 97 Resp: 7492

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 56.5 | 50.5 | 75.7 |
| 61 | 38.0 | 34.4 | 51.6 |



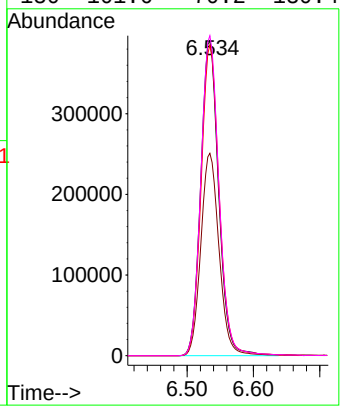


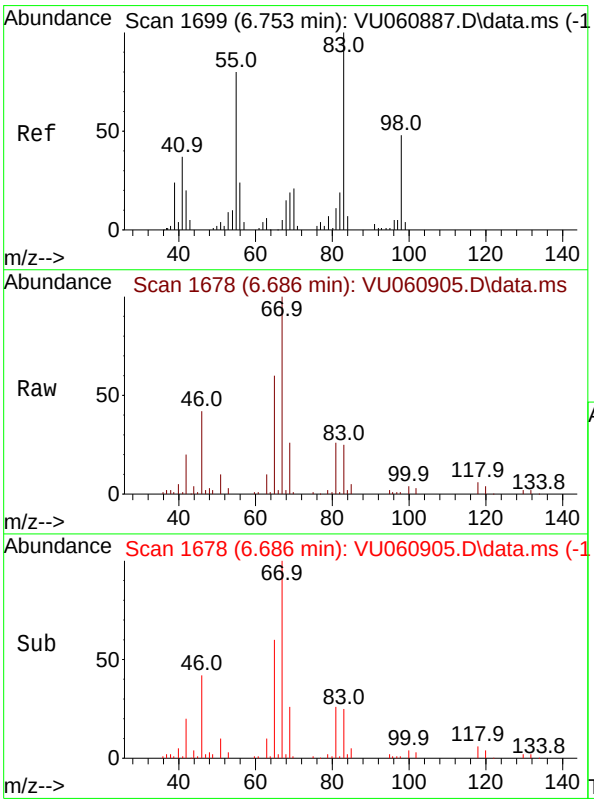

#34
Trichloroethene
Concen: 72.084 ug/L
RT: 6.534 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU060905.D
Acq: 19 Sep 2024 17:56

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

Tgt Ion: 95 Resp: 735691

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 64.3 | 44.9 | 83.5 |
| 132 | 98.6 | 63.5 | 117.9 |
| 130 | 101.6 | 70.2 | 130.4 |

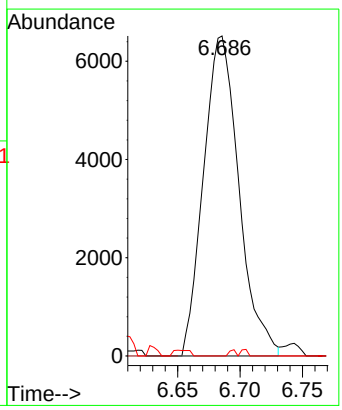


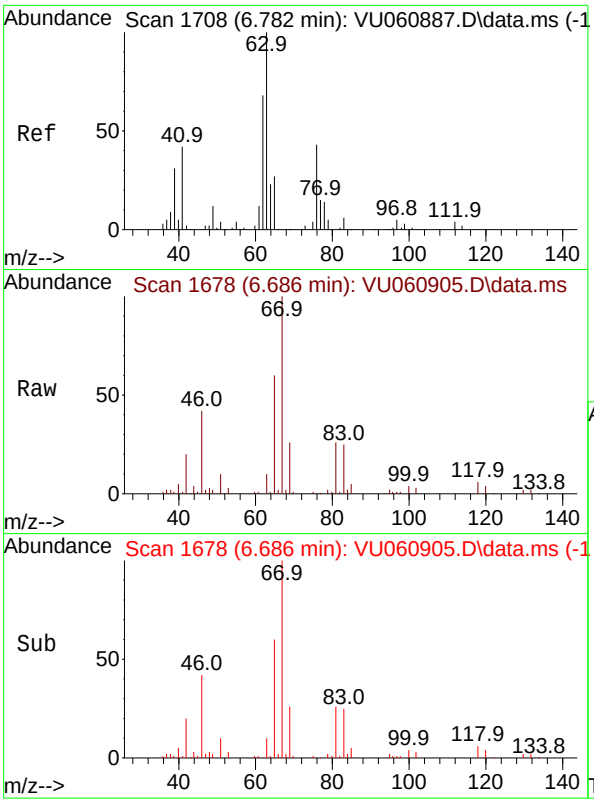




#35
Methylcyclohexane
Concen: 0.920 ug/L
RT: 6.686 min Scan# 1678
Delta R.T. -0.067 min
Lab File: VU060905.D
Acq: 19 Sep 2024 17:56

Tgt Ion: 83 Resp: 12882

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 0.0 | 62.6 | 94.0# |
| 98 | 0.0 | 37.6 | 56.4# |



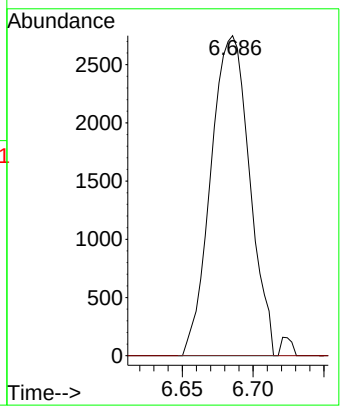


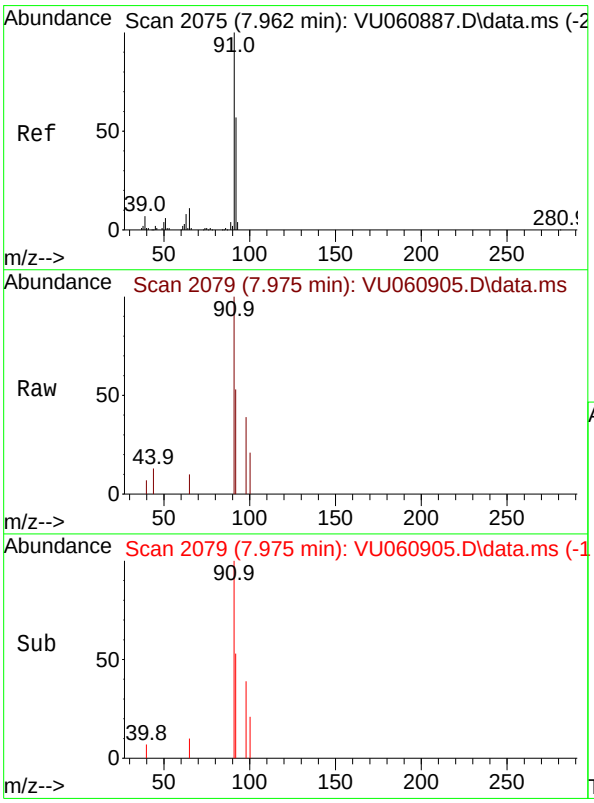

#37
1,2-Dichloropropane
Concen: 0.488 ug/L
RT: 6.686 min Scan# 1
Delta R.T. -0.096 min
Lab File: VU060905.D
Acq: 19 Sep 2024 17:56

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

Tgt Ion: 63 Resp: 5240

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 0.0 | 2.0 | 3.0# |

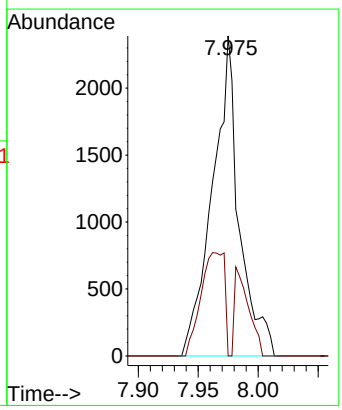


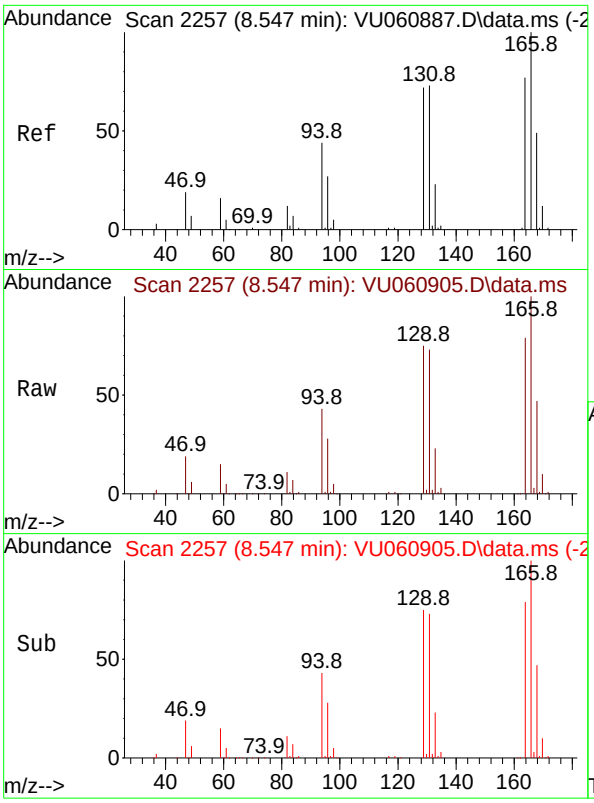




#42
Toluene
Concen: 0.091 ug/L
RT: 7.975 min Scan# 2079
Delta R.T. 0.013 min
Lab File: VU060905.D
Acq: 19 Sep 2024 17:56

Tgt Ion: 91 Resp: 3693

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 0.0 | 40.5 | 75.3# |



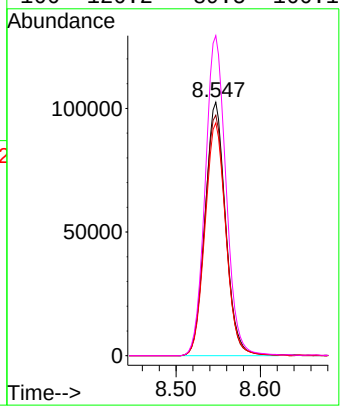


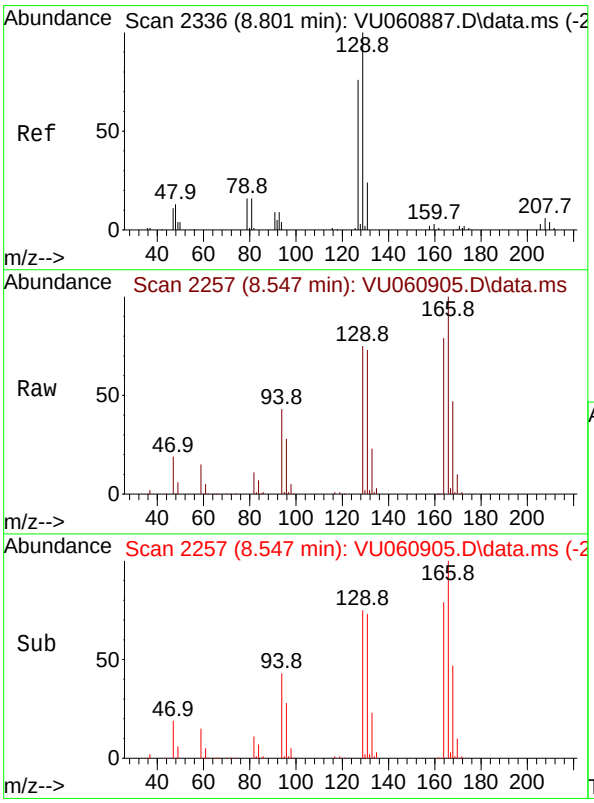

#47
Tetrachloroethene
Concen: 21.453 ug/L
RT: 8.547 min Scan# 2
Delta R.T. 0.000 min
Lab File: VU060905.D
Acq: 19 Sep 2024 17:56

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

Tgt Ion:164 Resp: 173996

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 94.8 | 67.3 | 124.9 |
| 131 | 91.9 | 65.4 | 121.4 |
| 166 | 126.2 | 89.5 | 166.1 |

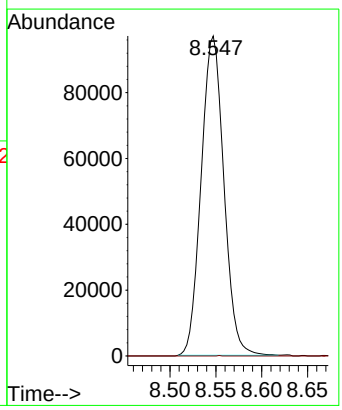


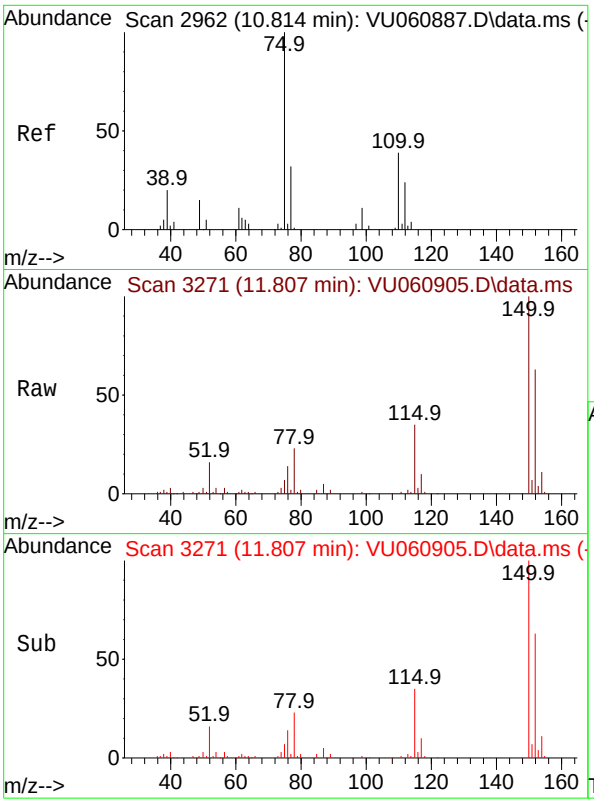




#49
Dibromochloromethane
Concen: 18.956 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.254 min
Lab File: VU060905.D
Acq: 19 Sep 2024 17:56

Tgt Ion:129 Resp: 167127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 0.0 | 56.1 | 104.1# |






#61
1,2,3-Trichloropropane
Concen: 1.117 ug/L
RT: 11.807 min Scan# 3
Delta R.T. 0.994 min
Lab File: VU060905.D
Acq: 19 Sep 2024 17:56

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

Tgt Ion: 75 Resp: 6055

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 0.0 | 28.6 | 43.0# |
| 77 | 28.0 | 26.3 | 39.5 |