Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012725\
Data File : VU063048.D
Acq On : 28 Jan 2025 05:18
Operator : MD/SY
Sample : Q1195-13
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 46 Sample Multiplier: 1

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

Quant Time: Jan 29 08:20:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR012725WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Jan 29 08:16:38 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Difluorobenzene | 6.283 | 114 | 114854 | 5.000 | ug/L | 0.05 |
| 28) Chlorobenzene-d5 | 9.415 | 117 | 110592 | 5.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 11.804 | 152 | 63592 | 5.000 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 1.624 | 65 | 15331 | 3.713 | ug/L | 0.03 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 74.200% | | | |
| 7) Chloroethane-d5 | 1.936 | 69 | 11670 | 3.723 | ug/L | 0.03 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 74.400% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.592 | 65 | 9133 | 3.699 | ug/L | 0.04 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 74.000% | | | |
| 20) 2-Butanone-d5 | 4.721 | 46 | 40392 | 33.707 | ug/L | 0.12 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 67.420% | | | |
| 24) Chloroform-d | 5.094 | 84 | 66520 | 4.056 | ug/L | 0.04 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 81.200% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.750 | 65 | 38869 | 4.152 | ug/L | 0.06 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 83.000% | | | |
| 32) Benzene-d6 | 5.769 | 84 | 103699 | 4.103 | ug/L | 0.05 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 82.000% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.717 | 67 | 29081 | 4.519 | ug/L | 0.04 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 90.400% | | | |
| 41) Toluene-d8 | 7.907 | 98 | 106277 | 4.253 | ug/L | 0.02 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 85.000% | | | |
| 43) trans-1,3-Dichloroprop... | 8.187 | 79 | 16627 | 4.174 | ug/L | 0.02 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 83.400% | | | |
| 46) 2-Hexanone-d5 | 8.643 | 63 | 47376 | 47.664 | ug/L | 0.03 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 95.320% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 10.749 | 84 | 30031 | 4.915 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 98.200% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 12.183 | 152 | 49137 | 4.317 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 86.400% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 3) Chloromethane | 1.608 | 50 | 37270 | 7.531 | ug/L # | 74 |
| 5) Vinyl chloride | 1.631 | 62 | 1197 | 0.217 | ug/L # | 9 |
| 8) Chloroethane | 1.927 | 64 | 4006 | 1.436 | ug/L # | 55 |
| 13) Acetone | 2.763 | 43 | 16408 | 21.176 | ug/L | 46 |
| 14) Carbon disulfide | 2.814 | 76 | 10818 | 0.708 | ug/L | 96 |
| 15) Methyl Acetate | 2.988 | 43 | 577 | 0.388 | ug/L # | 50 |
| 16) Methylene chloride | 3.071 | 84 | 1433 | 0.228 | ug/L | 85 |
| 19) 1,1-Dichloroethane | 3.894 | 63 | 5404 | 0.488 | ug/L | 93 |
| 33) Benzene | 5.817 | 78 | 29268 | 1.092 | ug/L | 100 |
| 34) Trichloroethene | 6.570 | 95 | 12464 | 1.369 | ug/L | 97 |
| 35) Methylcyclohexane | 6.782 | 83 | 939 | 0.082 | ug/L # | 65 |
| 40) 4-Methyl-2-pentanone | 7.814 | 43 | 14723 | 5.065 | ug/L | 91 |
| 42) Toluene | 7.978 | 91 | 183313 | 5.756 | ug/L | 100 |
| 47) Tetrachloroethene | 8.557 | 164 | 281909 | 35.601 | ug/L | 97 |
| 49) Dibromochloromethane | 8.557 | 129 | 278832 | 31.505 | ug/L # | 12 |
| 52) Ethylbenzene | 9.569 | 91 | 67630 | 1.822 | ug/L | 96 |
| 53) m,p-Xylene | 9.688 | 106 | 80121 | 5.590 | ug/L | 96 |
| 54) o-Xylene | 10.094 | 106 | 47186 | 3.593 | ug/L | 97 |
| 55) Styrene | 10.097 | 104 | 4062 | 0.183 | ug/L # | 1 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012725\
Data File : VU063048.D
Acq On : 28 Jan 2025 05:18
Operator : MD/SY
Sample : Q1195-13
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 46 Sample Multiplier: 1

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

Quant Time: Jan 29 08:20:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR012725WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Jan 29 08:16:38 2025
Response via : Initial Calibration

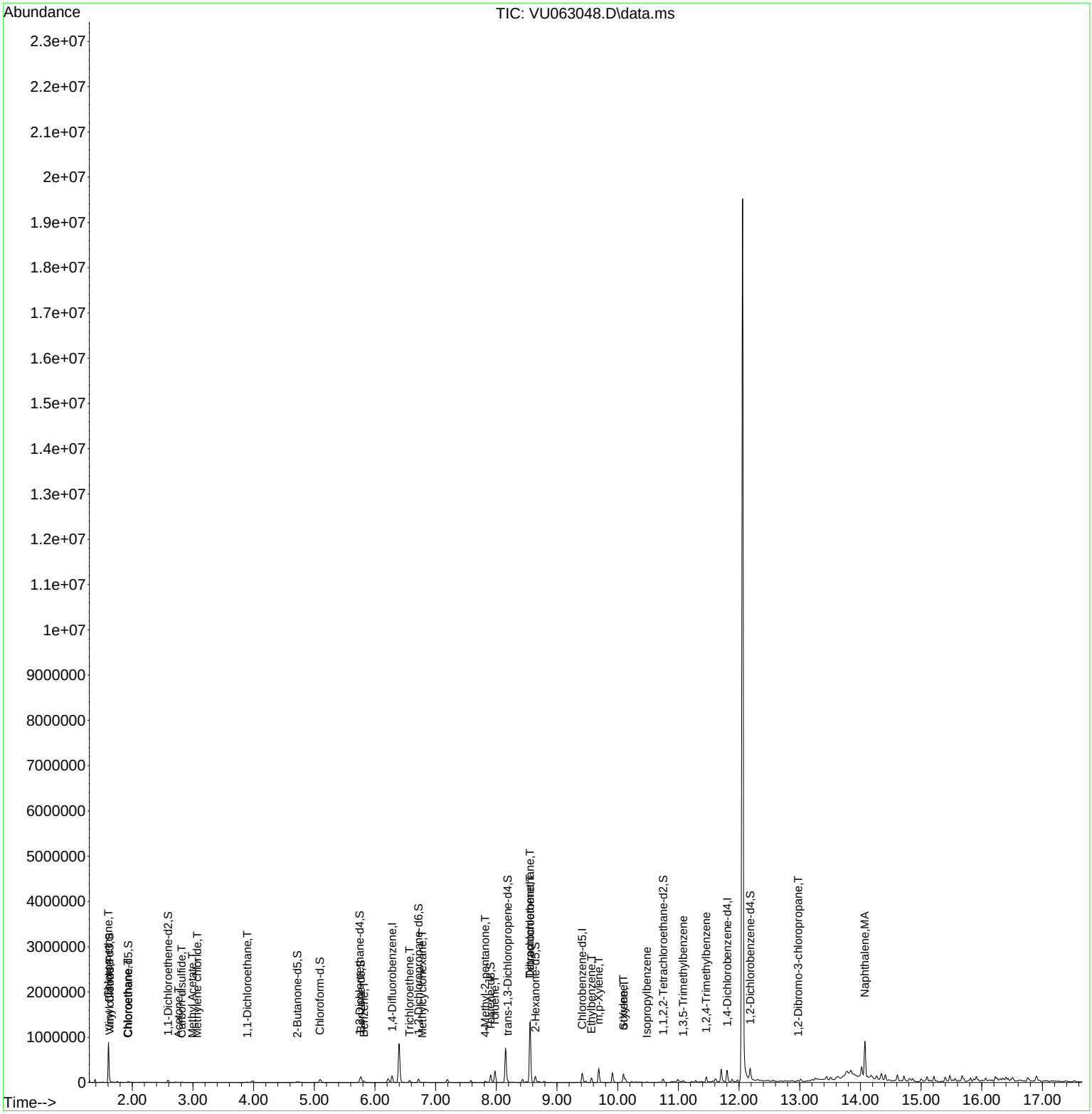
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 60) Isopropylbenzene | 10.479 | 105 | 6119 | 0.152 | ug/L # | 84 |
| 62) 1,3,5-Trimethylbenzene | 11.081 | 105 | 19657 | 0.556 | ug/L | 95 |
| 63) 1,2,4-Trimethylbenzene | 11.460 | 105 | 60784 | 1.819 | ug/L | 100 |
| 68) 1,2-Dibromo-3-chloropr... | 12.974 | 75 | 106 | 0.078 | ug/L # | 8 |
| 71) Naphthalene | 14.074 | 128 | 620380 | 37.798 | ug/L | 100 |

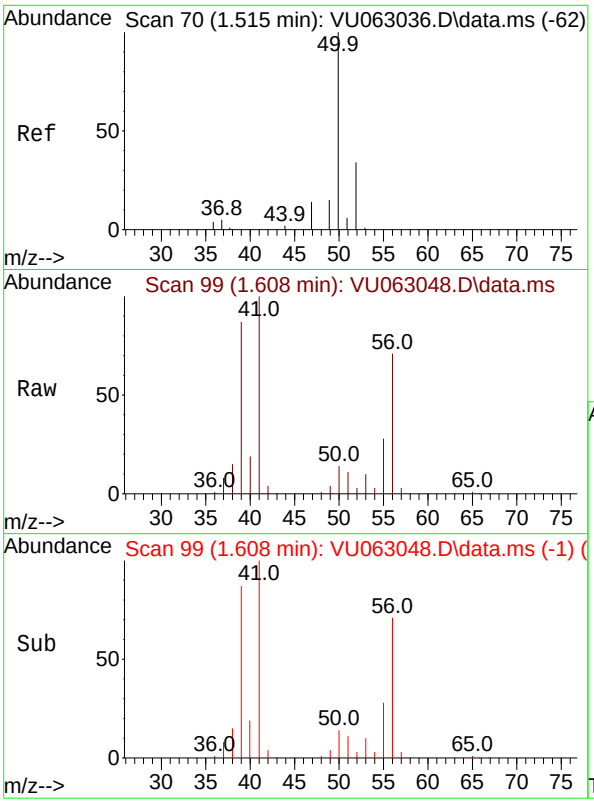
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012725\
Data File : VU063048.D
Acq On : 28 Jan 2025 05:18
Operator : MD/SY
Sample : Q1195-13
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 46 Sample Multiplier: 1

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

Quant Time: Jan 29 08:20:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR012725WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Jan 29 08:16:38 2025
Response via : Initial Calibration



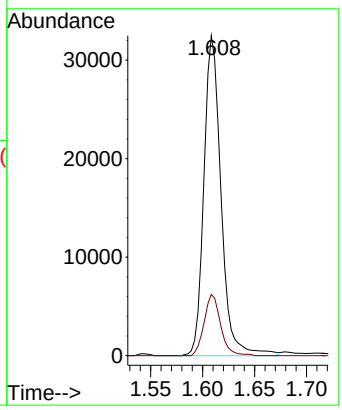


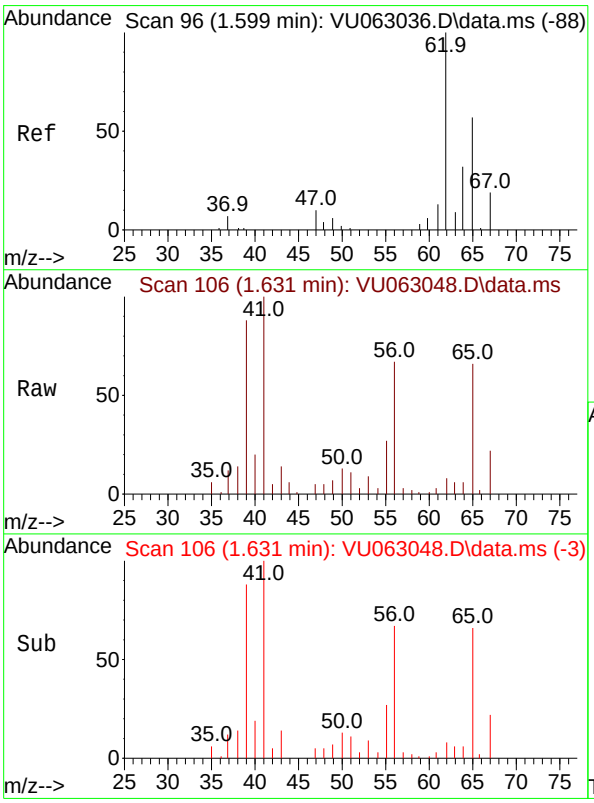

#3
Chloromethane
Concen: 7.531 ug/L
RT: 1.608 min Scan# 9
Delta R.T. 0.093 min
Lab File: VU063048.D
Acq: 28 Jan 2025 05:18

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

Tgt Ion: 50 Resp: 37270

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 19.2 | 24.1 | 44.7# |

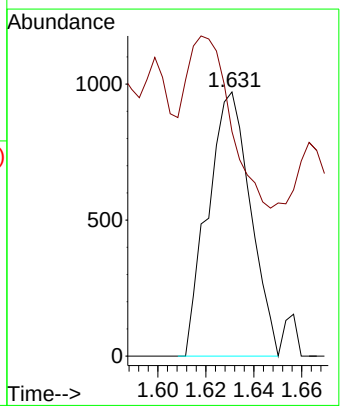


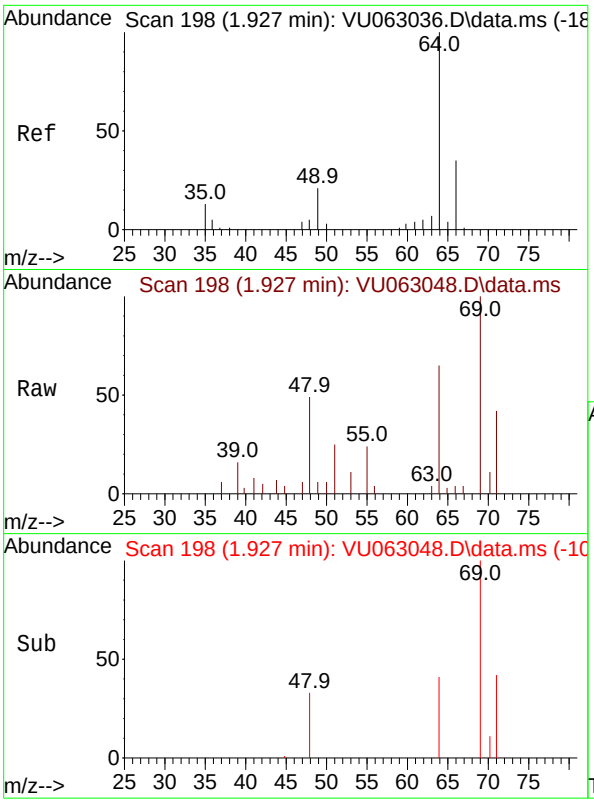




#5
Vinyl chloride
Concen: 0.217 ug/L
RT: 1.631 min Scan# 106
Delta R.T. 0.032 min
Lab File: VU063048.D
Acq: 28 Jan 2025 05:18

Tgt Ion: 62 Resp: 1197

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 85.1 | 23.4 | 43.4# |



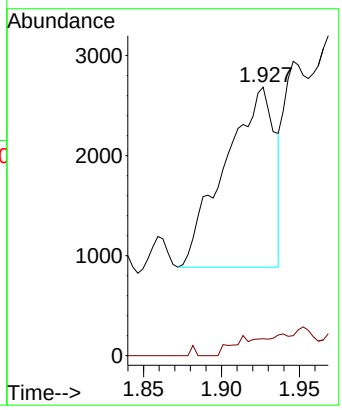


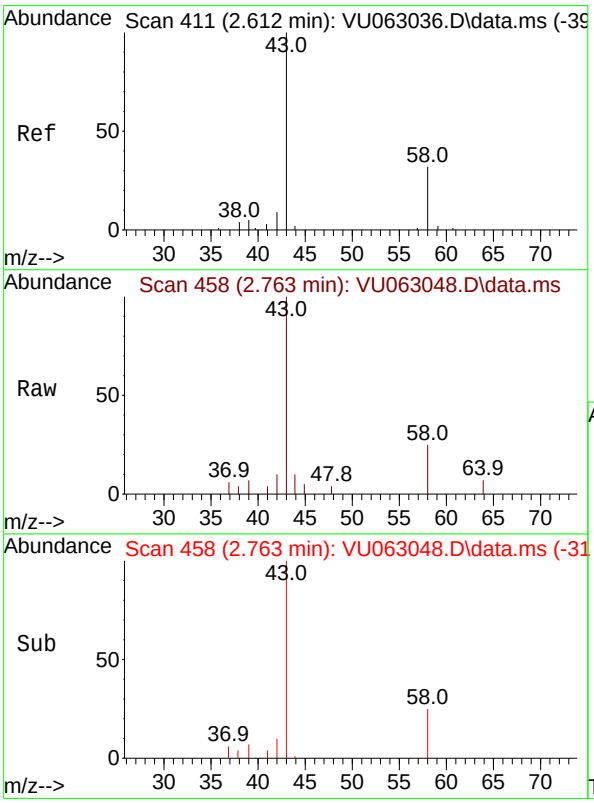

#8
Chloroethane
Concen: 1.436 ug/L
RT: 1.927 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU063048.D
Acq: 28 Jan 2025 05:18

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

Tgt Ion: 64 Resp: 4006

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 6.3 | 21.6 | 40.2# |

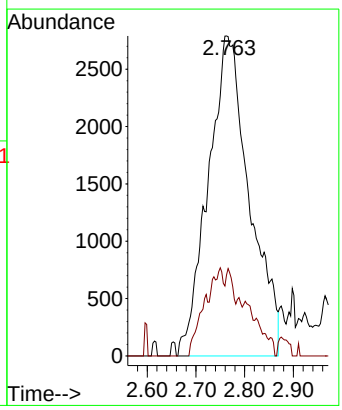


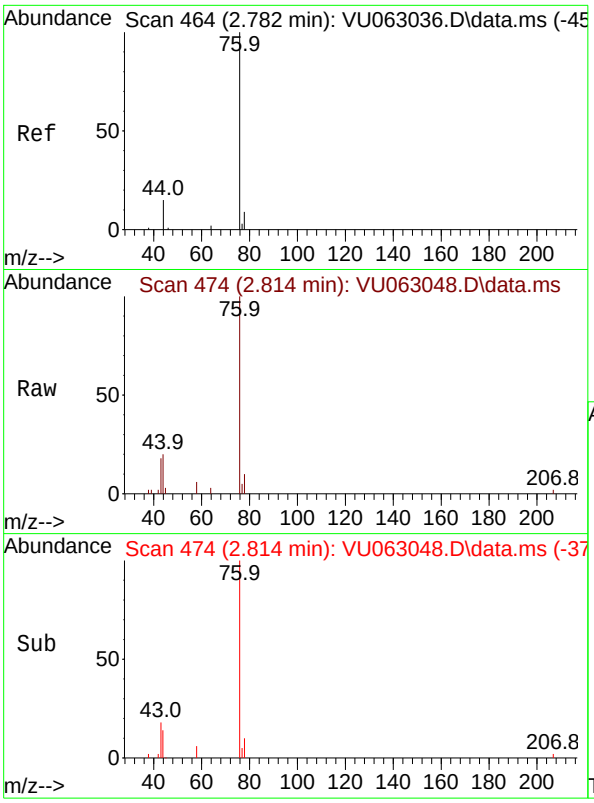




#13
Acetone
Concen: 21.176 ug/L
RT: 2.763 min Scan# 458
Delta R.T. 0.151 min
Lab File: VU063048.D
Acq: 28 Jan 2025 05:18

Tgt Ion: 43 Resp: 16408

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 1.9 | 0.0 | 64.4 |



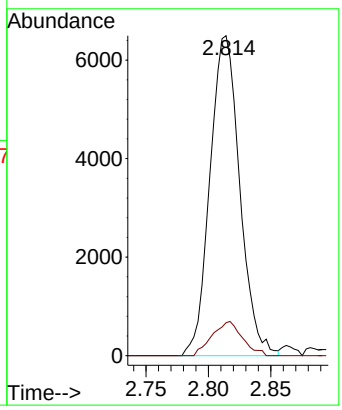


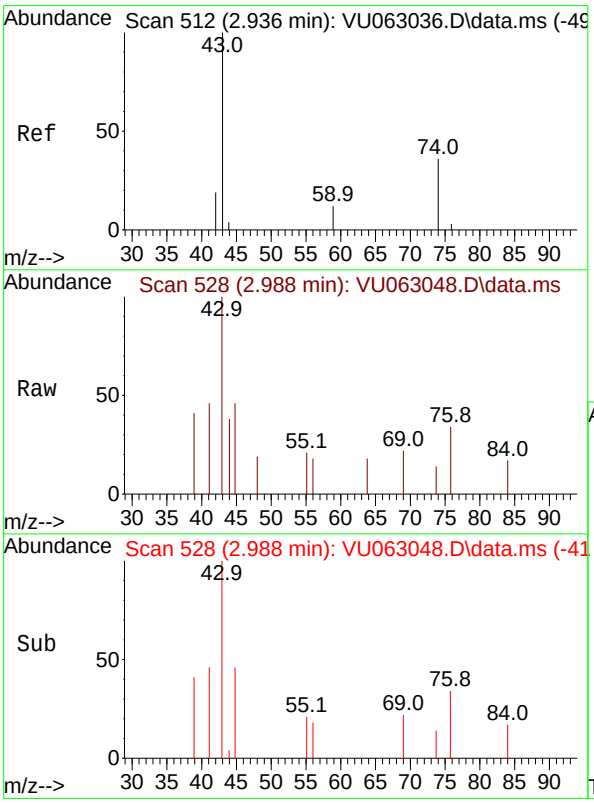

#14
Carbon disulfide
Concen: 0.708 ug/L
RT: 2.814 min Scan# 4
Delta R.T. 0.032 min
Lab File: VU063048.D
Acq: 28 Jan 2025 05:18

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

Tgt Ion: 76 Resp: 10818

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 10.3 | 7.0 | 10.6 |

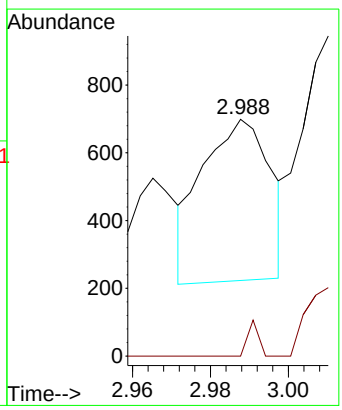


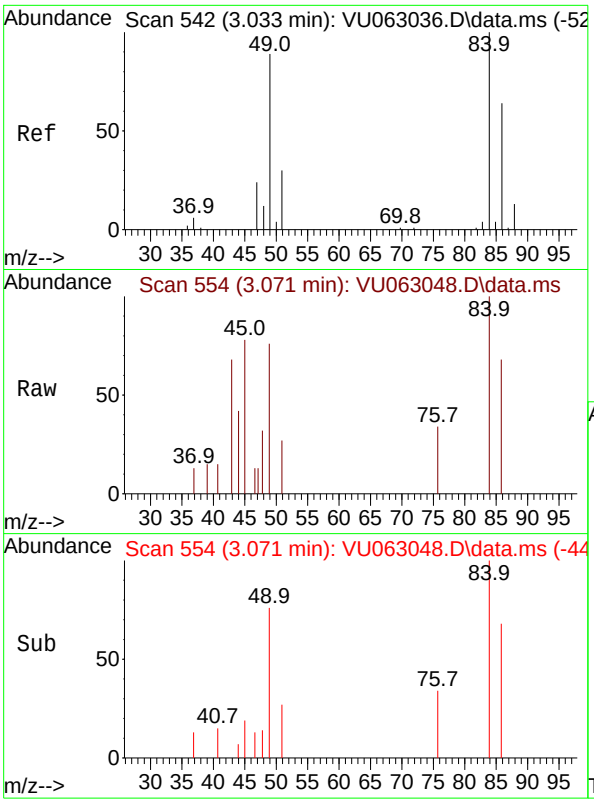




#15
Methyl Acetate
Concen: 0.388 ug/L
RT: 2.988 min Scan# 528
Delta R.T. 0.051 min
Lab File: VU063048.D
Acq: 28 Jan 2025 05:18

Tgt Ion: 43 Resp: 577

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 3.5 | 24.4 | 36.6# |



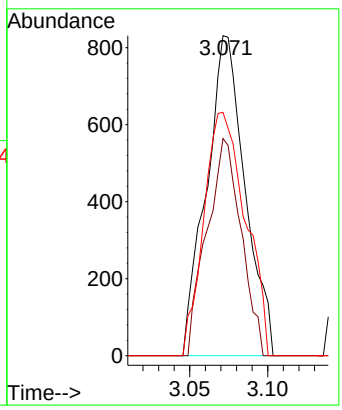


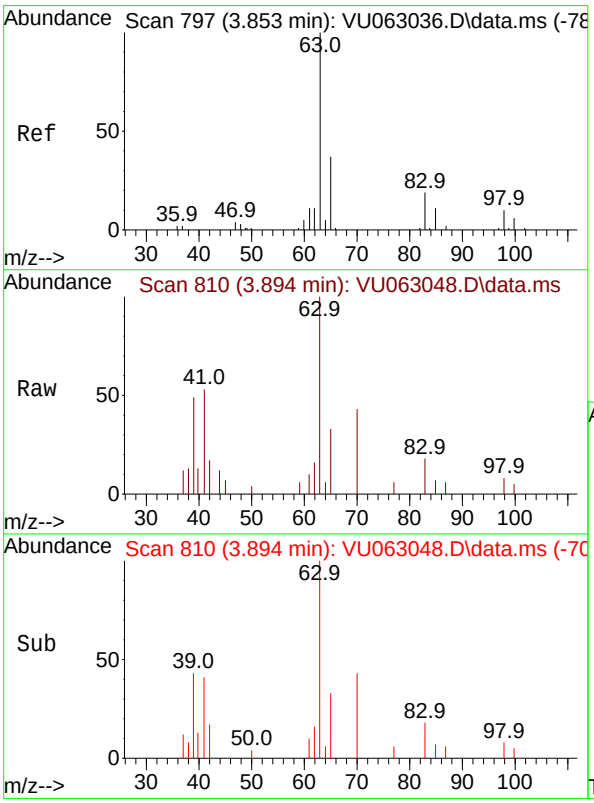

#16
Methylene chloride
Concen: 0.228 ug/L
RT: 3.071 min Scan# 5
Delta R.T. 0.039 min
Lab File: VU063048.D
Acq: 28 Jan 2025 05:18

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

Tgt Ion: 84 Resp: 1433

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 67.9 | 44.7 | 83.1 |
| 49 | 76.1 | 68.3 | 126.9 |

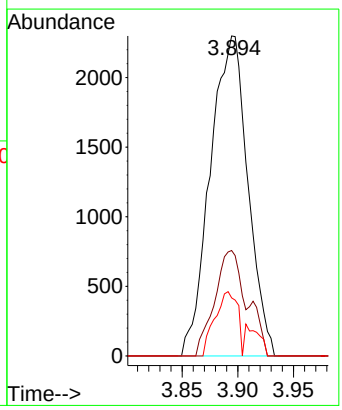


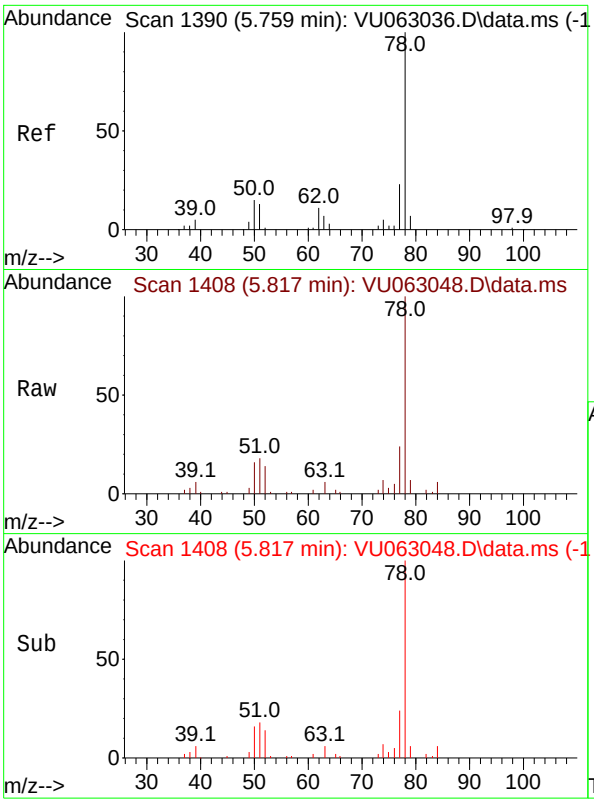




#19
1,1-Dichloroethane
Concen: 0.488 ug/L
RT: 3.894 min Scan# 810
Delta R.T. 0.042 min
Lab File: VU063048.D
Acq: 28 Jan 2025 05:18

Tgt Ion: 63 Resp: 5404

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 32.9 | 20.7 | 38.5 |
| 83 | 18.1 | 10.5 | 19.5 |

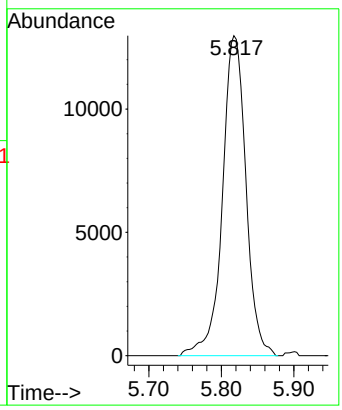


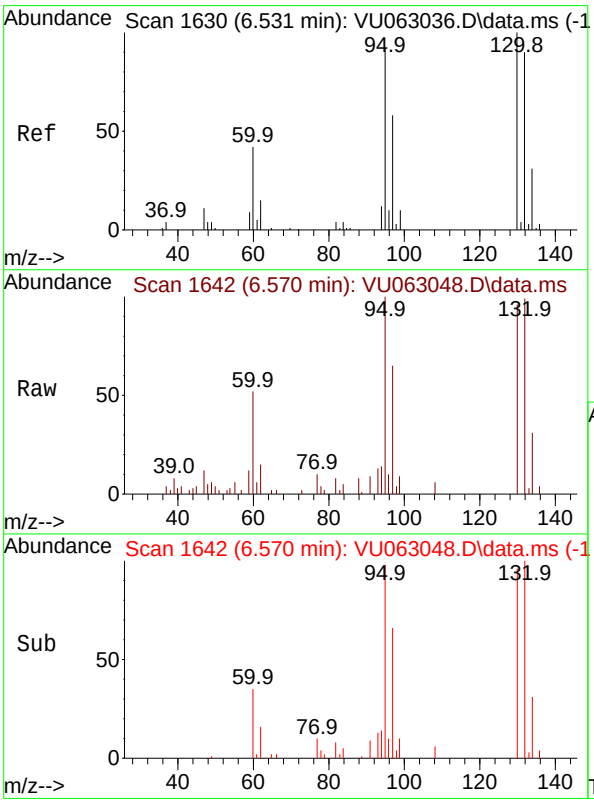



#33
Benzene
Concen: 1.092 ug/L
RT: 5.817 min Scan# 1
Delta R.T. 0.058 min
Lab File: VU063048.D
Acq: 28 Jan 2025 05:18

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

Tgt Ion: 78 Resp: 29268

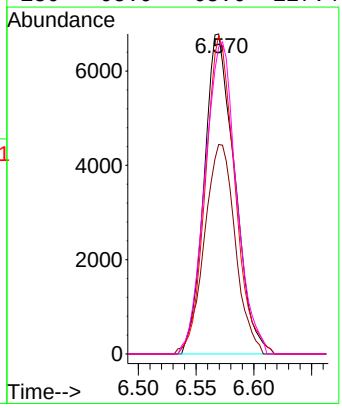


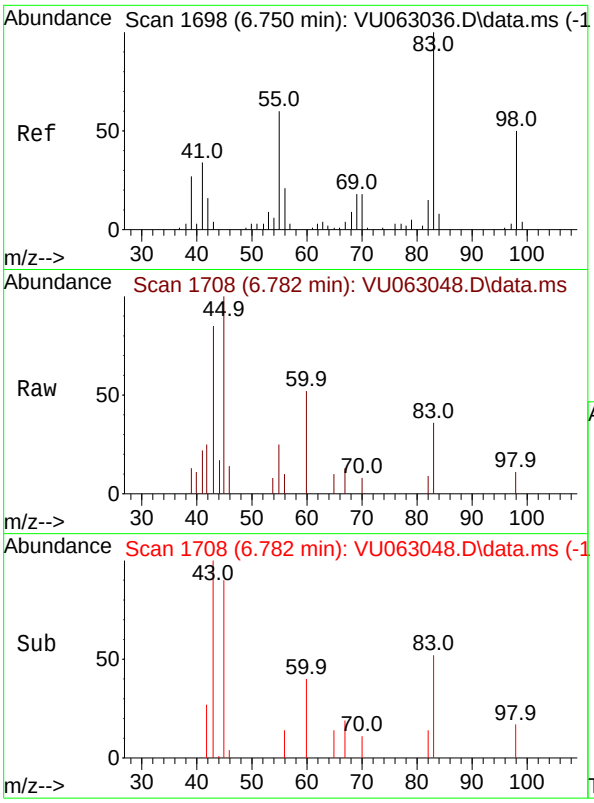




#34
Trichloroethene
Concen: 1.369 ug/L
RT: 6.570 min Scan# 1642
Delta R.T. 0.038 min
Lab File: VU063048.D
Acq: 28 Jan 2025 05:18

Tgt Ion: 95 Resp: 12464

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 97 | 65.5 | 47.5 | 88.3 |
| 132 | 99.5 | 66.9 | 124.3 |
| 130 | 95.9 | 68.6 | 127.4 |



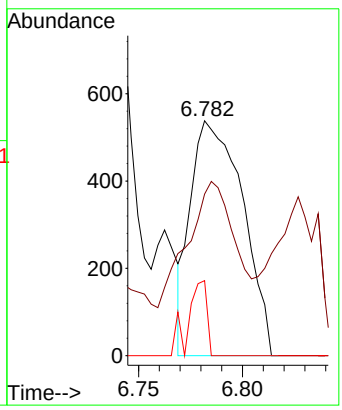


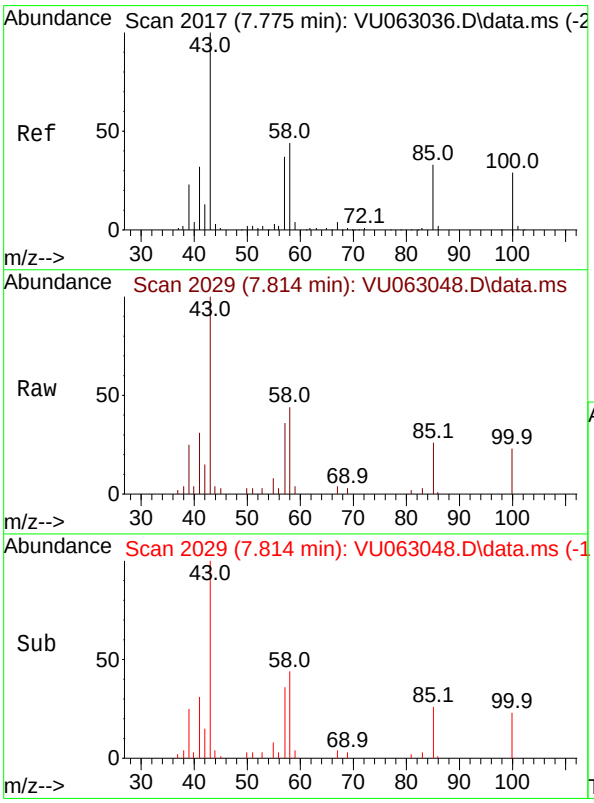

#35
Methylcyclohexane
Concen: 0.082 ug/L
RT: 6.782 min Scan# 1
Delta R.T. 0.032 min
Lab File: VU063048.D
Acq: 28 Jan 2025 05:18

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

Tgt Ion: 83 Resp: 939

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 51.8 | 57.2 | 85.8# |
| 98 | 11.5 | 36.6 | 55.0# |

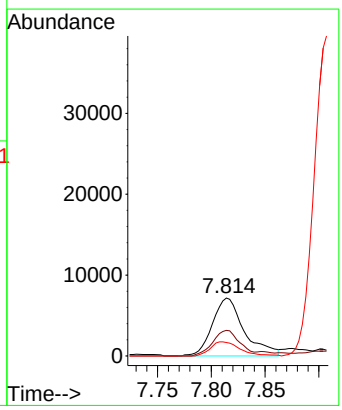


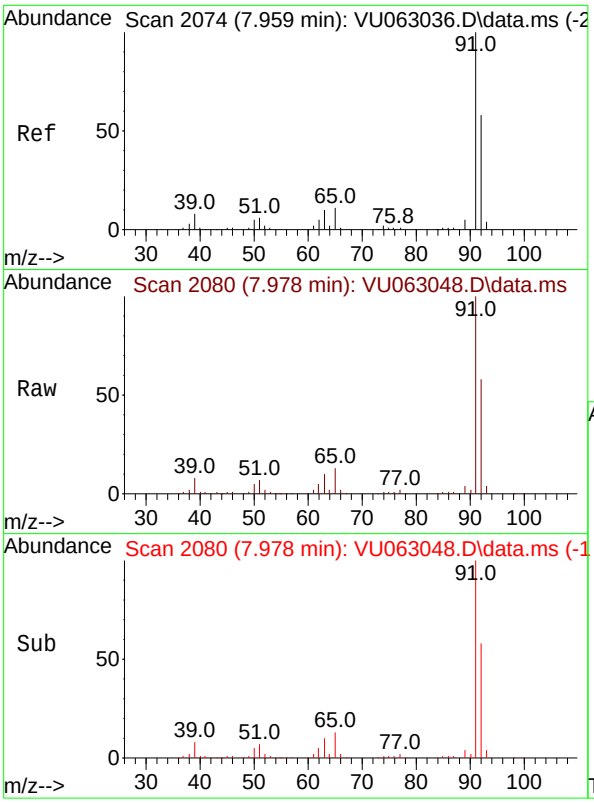




#40
4-Methyl-2-pentanone
Concen: 5.065 ug/L
RT: 7.814 min Scan# 2029
Delta R.T. 0.038 min
Lab File: VU063048.D
Acq: 28 Jan 2025 05:18

Tgt Ion: 43 Resp: 14723

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.1 | 35.8 | 53.8 |
| 100 | 22.8 | 16.8 | 25.2 |



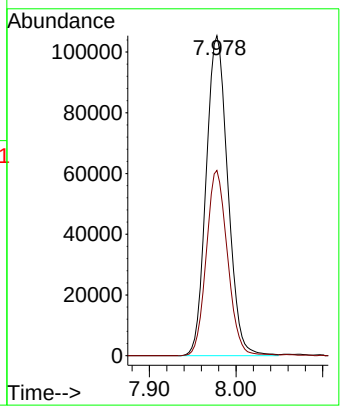


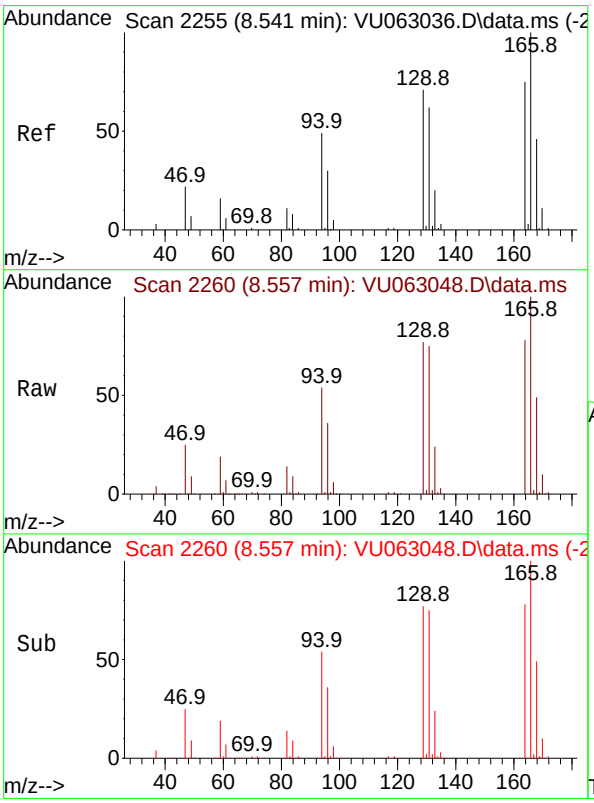

#42
Toluene
Concen: 5.756 ug/L
RT: 7.978 min Scan# 2
Delta R.T. 0.019 min
Lab File: VU063048.D
Acq: 28 Jan 2025 05:18

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

Tgt Ion: 91 Resp: 183313

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 57.9 | 40.4 | 75.0 |

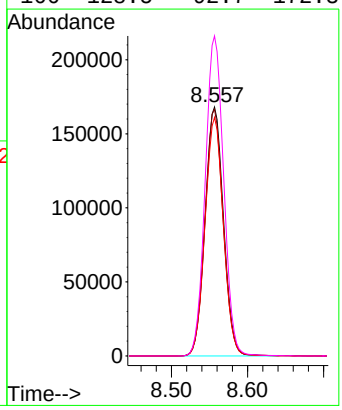


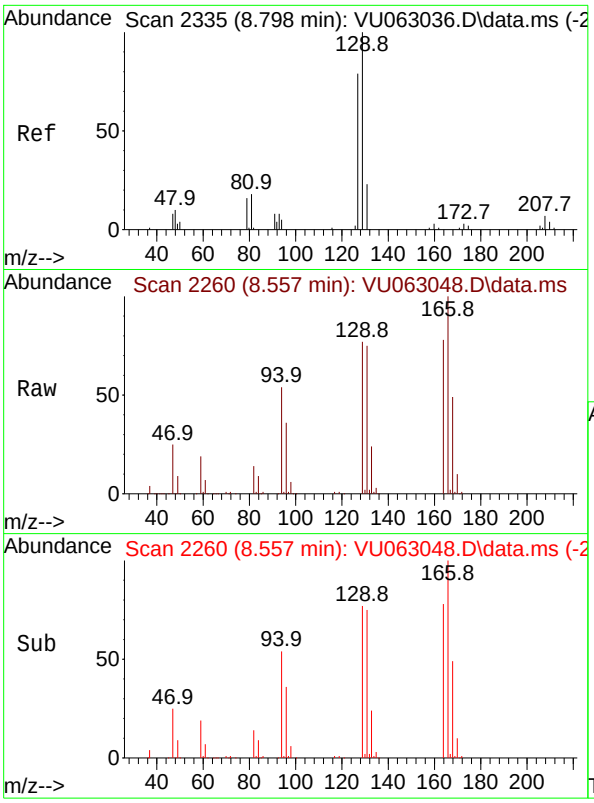




#47
Tetrachloroethene
Concen: 35.601 ug/L
RT: 8.557 min Scan# 2260
Delta R.T. 0.016 min
Lab File: VU063048.D
Acq: 28 Jan 2025 05:18

Tgt Ion:164 Resp: 281909

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 129 | 99.1 | 71.0 | 131.9 |
| 131 | 95.8 | 69.4 | 129.0 |
| 166 | 128.5 | 92.7 | 172.3 |



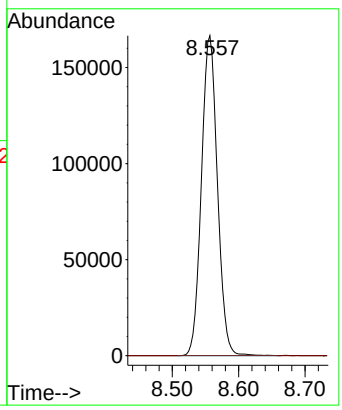


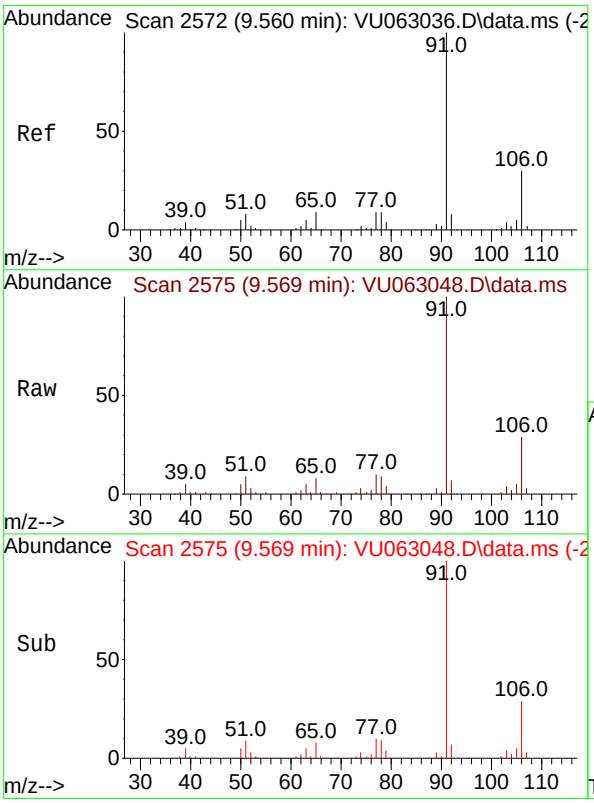

#49
Dibromochloromethane
Concen: 31.505 ug/L
RT: 8.557 min Scan# 2
Delta R.T. -0.241 min
Lab File: VU063048.D
Acq: 28 Jan 2025 05:18

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

Tgt Ion:129 Resp: 278832

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 0.0 | 52.1 | 96.9# |

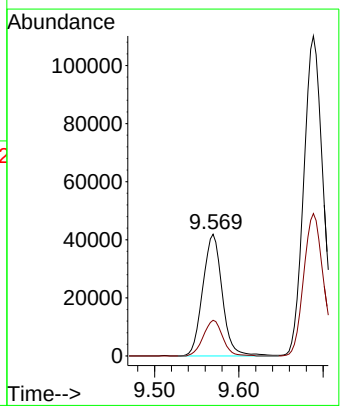


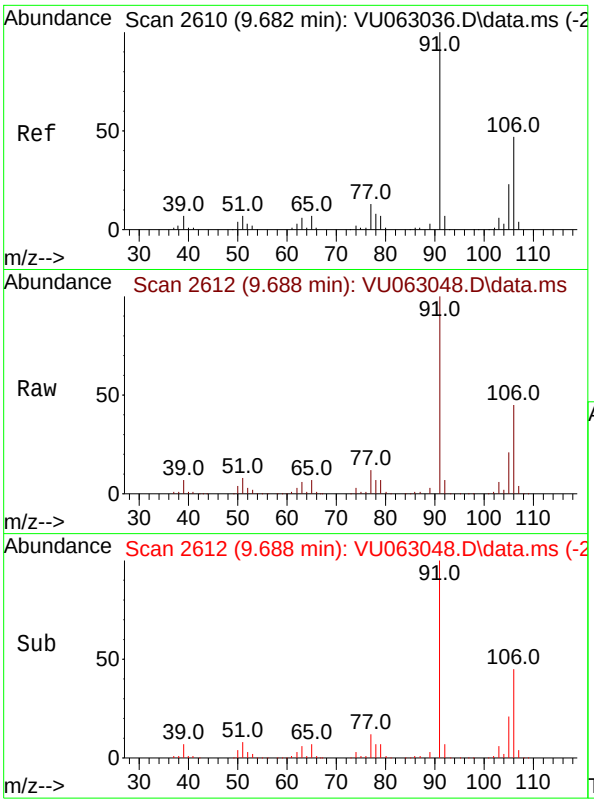




#52
Ethylbenzene
Concen: 1.822 ug/L
RT: 9.569 min Scan# 2575
Delta R.T. 0.010 min
Lab File: VU063048.D
Acq: 28 Jan 2025 05:18

Tgt Ion: 91 Resp: 67630

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.3 | 21.9 | 40.7 |



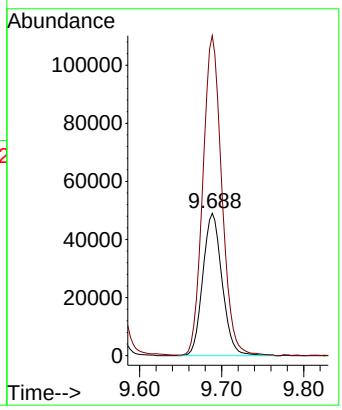


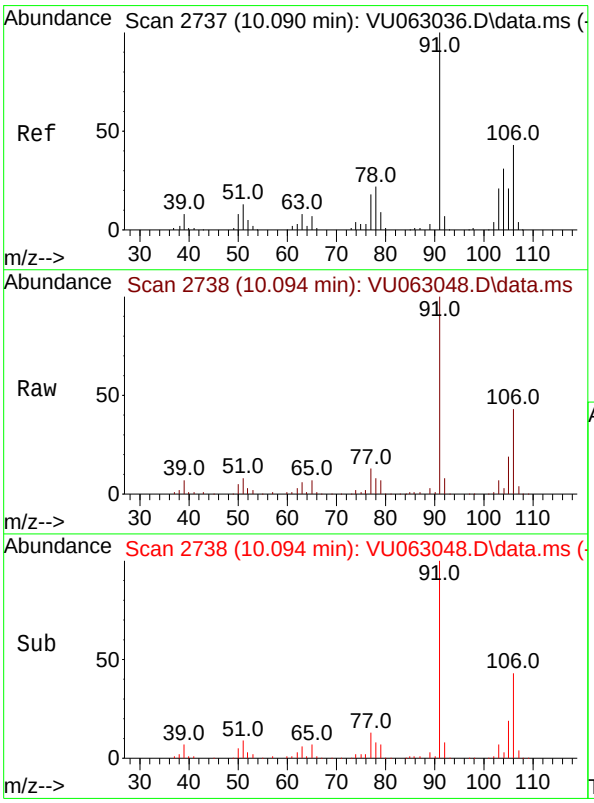

#53
m,p-Xylene
Concen: 5.590 ug/L
RT: 9.688 min Scan# 2
Delta R.T. 0.006 min
Lab File: VU063048.D
Acq: 28 Jan 2025 05:18

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

Tgt Ion:106 Resp: 80121

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 224.6 | 153.1 | 284.3 |

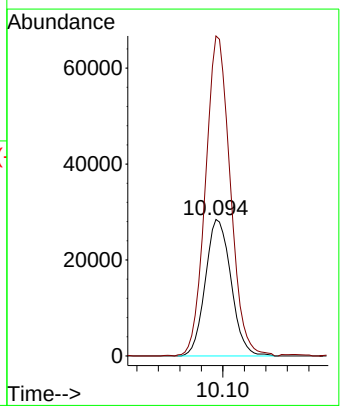


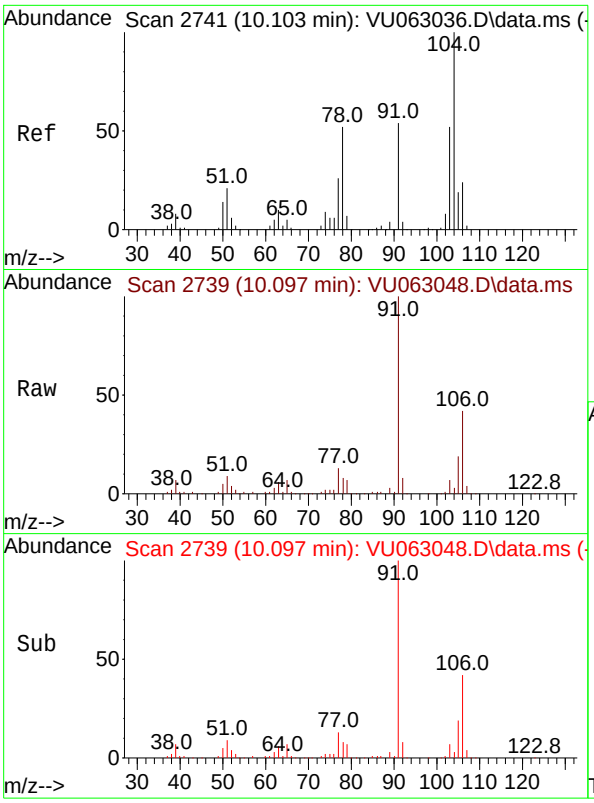




#54
o-Xylene
Concen: 3.593 ug/L
RT: 10.094 min Scan# 2738
Delta R.T. 0.003 min
Lab File: VU063048.D
Acq: 28 Jan 2025 05:18

Tgt Ion:106 Resp: 47186

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 234.3 | 160.4 | 297.8 |



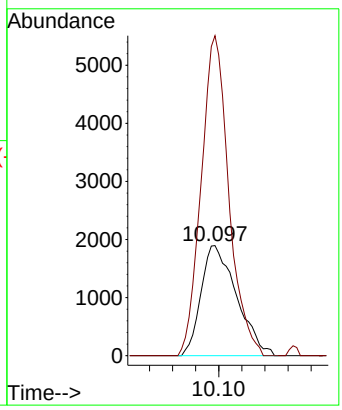


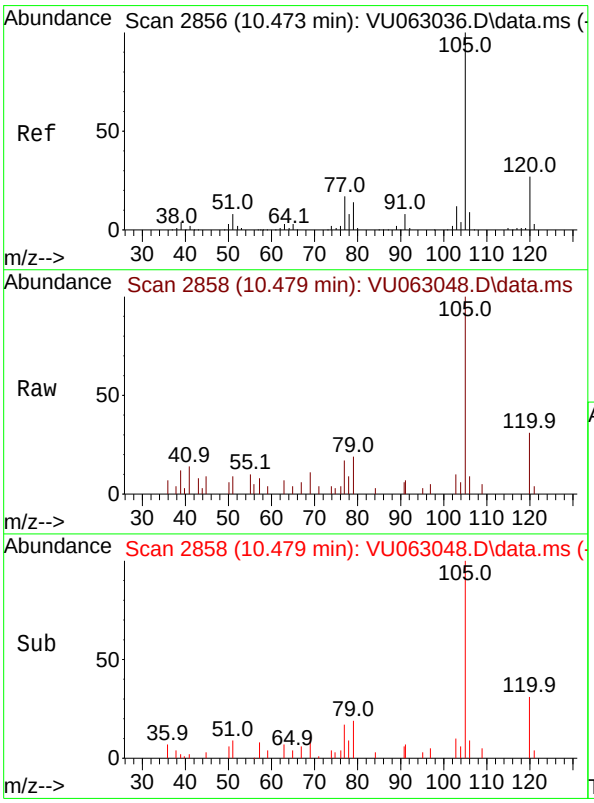

#55
Styrene
Concen: 0.183 ug/L
RT: 10.097 min Scan# 2
Delta R.T. -0.007 min
Lab File: VU063048.D
Acq: 28 Jan 2025 05:18

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

Tgt Ion:104 Resp: 4062

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 290.7 | 35.5 | 65.9# |

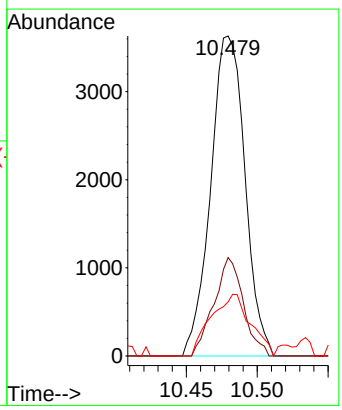


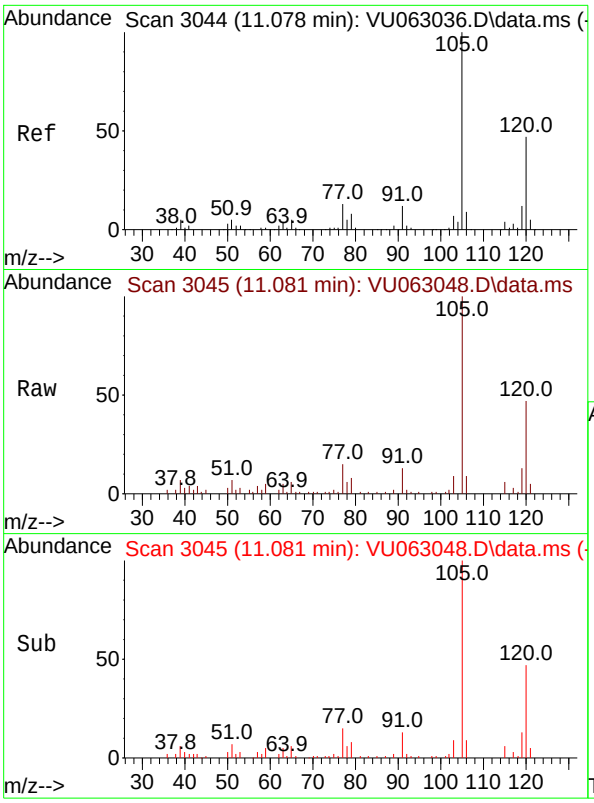




#60
Isopropylbenzene
Concen: 0.152 ug/L
RT: 10.479 min Scan# 2858
Delta R.T. 0.006 min
Lab File: VU063048.D
Acq: 28 Jan 2025 05:18

Tgt Ion:105 Resp: 6119

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.4 | 20.2 | 30.2 |
| 77 | 0.0 | 13.0 | 19.4# |



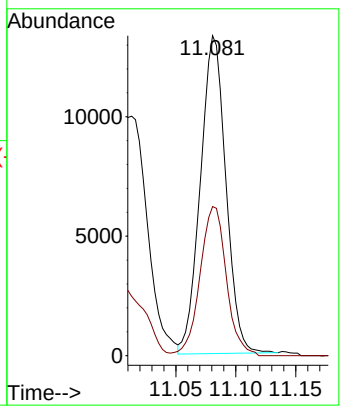


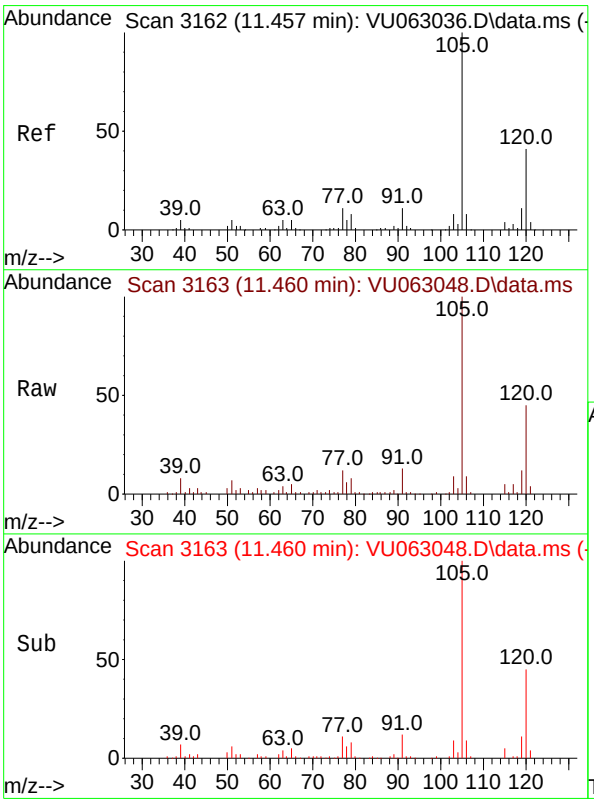

#62
1,3,5-Trimethylbenzene
Concen: 0.556 ug/L
RT: 11.081 min Scan# 3
Delta R.T. 0.003 min
Lab File: VU063048.D
Acq: 28 Jan 2025 05:18

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

Tgt Ion:105 Resp: 19657

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.5 | 35.9 | 53.9 |

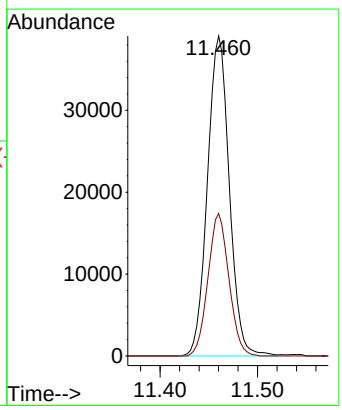


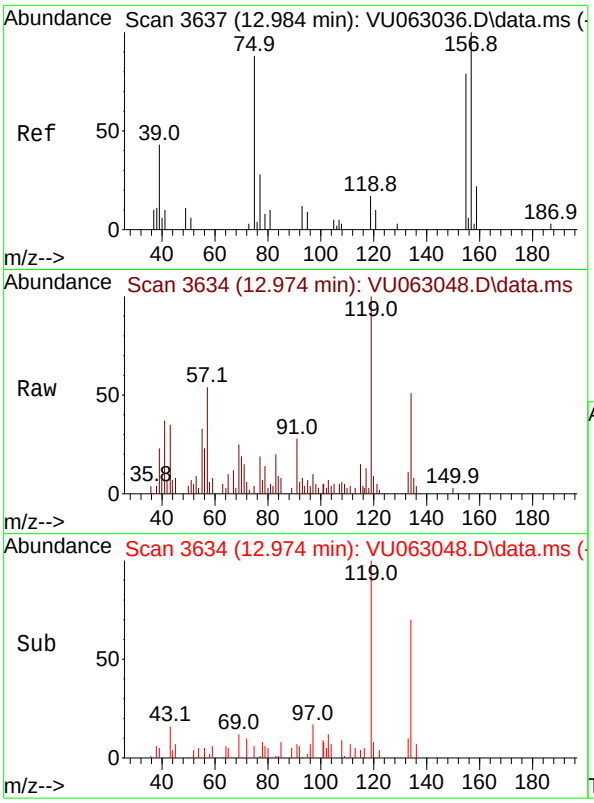




#63
1,2,4-Trimethylbenzene
Concen: 1.819 ug/L
RT: 11.460 min Scan# 3163
Delta R.T. 0.003 min
Lab File: VU063048.D
Acq: 28 Jan 2025 05:18

Tgt Ion:105 Resp: 60784

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 42.7 | 34.2 | 51.2 |



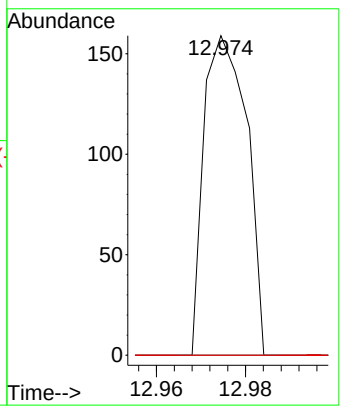


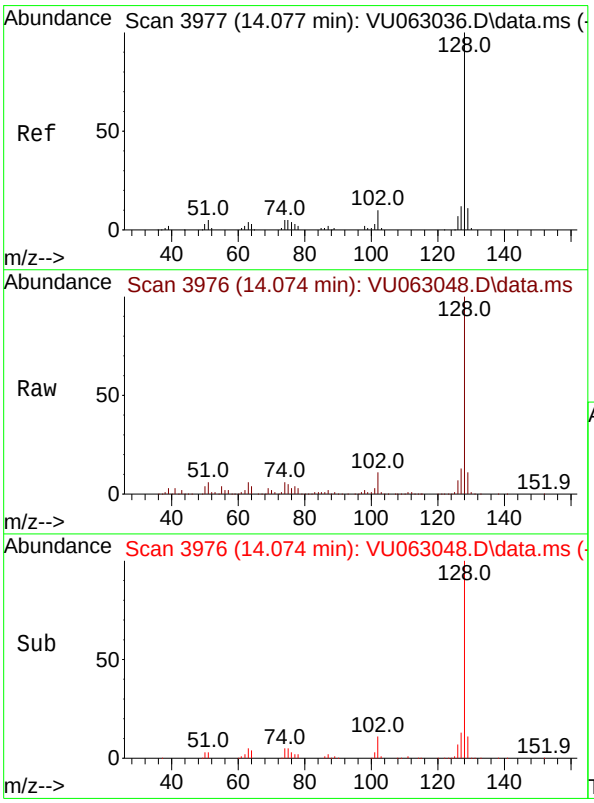

#68
1,2-Dibromo-3-chloropropane
Concen: 0.078 ug/L
RT: 12.974 min Scan# 3
Delta R.T. -0.010 min
Lab File: VU063048.D
Acq: 28 Jan 2025 05:18

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

Tgt Ion: 75 Resp: 106

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 0.0 | 59.6 | 89.4# |
| 157 | 0.0 | 70.8 | 106.2# |




#71
Naphthalene
Concen: 37.798 ug/L
RT: 14.074 min Scan# 3976
Delta R.T. -0.003 min
Lab File: VU063048.D
Acq: 28 Jan 2025 05:18

Tgt Ion:128 Resp: 620380

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.8 | 8.5 | 12.7 |
| 127 | 12.9 | 10.2 | 15.2 |