Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121423\
Data File : VU056844.D
Acq On : 14 Dec 2023 17:18
Operator : MD/SY
Sample : 05684-06DL 200X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: Dec 15 00:54:21 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Dec 15 00:49:12 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Difluorobenzene | 6.245 | 114 | 232998 | 5.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.412 | 117 | 240136 | 5.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 11.807 | 152 | 101602 | 5.000 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) Vinyl Chloride-d3 | 1.595 | 65 | 65133 | 3.261 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 40 - 130 | | Recovery = 65.200% | | | |
| 7) Chloroethane-d5 | 1.911 | 69 | 57602 | 3.854 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 130 | | Recovery = 77.000% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.563 | 65 | 29265 | 3.425 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 125 | | Recovery = 68.400% | | | |
| 20) 2-Butanone-d5 | 4.624 | 46 | 206619 | 52.386 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 40 - 130 | | Recovery = 104.780% | | | |
| 24) Chloroform-d | 5.055 | 84 | 161090 | 4.259 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 85.200% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.698 | 65 | 80961 | 4.524 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 90.400% | | | |
| 32) Benzene-d6 | 5.721 | 84 | 287420 | 3.859 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 125 | | Recovery = 77.200% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.685 | 67 | 99206 | 4.255 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 60 - 140 | | Recovery = 85.200% | | | |
| 41) Toluene-d8 | 7.894 | 98 | 224795 | 3.377 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 70 - 130 | | Recovery = 67.600%# | | | |
| 43) trans-1,3-Dichloroprop... | 8.177 | 79 | 33599 | 3.716 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 55 - 130 | | Recovery = 74.400% | | | |
| 46) 2-Hexanone-d5 | 8.631 | 63 | 147140 | 43.151 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 45 - 130 | | Recovery = 86.300% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 10.749 | 84 | 77343 | 4.585 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 65 - 120 | | Recovery = 91.800% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 12.187 | 152 | 88005 | 4.406 | ug/L | 0.00 |
| Spiked Amount 5.000 | Range 80 - 120 | | Recovery = 88.200% | | | |
| Target Compounds | | | | | | Qvalue |
| 16) Methylene chloride | 3.042 | 84 | 18688 | 0.907 | ug/L | 98 |
| 35) Methylcyclohexane | 6.685 | 83 | 22704 | 0.665 | ug/L # | 18 |
| 37) 1,2-Dichloropropane | 6.685 | 63 | 10288 | 0.477 | ug/L # | 88 |
| 48) 2-Hexanone | 8.685 | 43 | 5173 | 0.709 | ug/L # | 88 |
| 51) Chlorobenzene | 9.444 | 112 | 10001 | 0.180 | ug/L | 90 |
| 61) 1,2,3-Trichloropropane | 11.740 | 75 | 15309 | 1.403 | ug/L # | 49 |
| 64) 1,3-Dichlorobenzene | 11.743 | 146 | 46174 | 1.216 | ug/L | 99 |
| 65) 1,4-Dichlorobenzene | 11.830 | 146 | 129372 | 3.460 | ug/L | 98 |
| 67) 1,2-Dichlorobenzene | 12.206 | 146 | 142129 | 4.109 | ug/L | 97 |

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

Quantitation Report (Not Reviewed)

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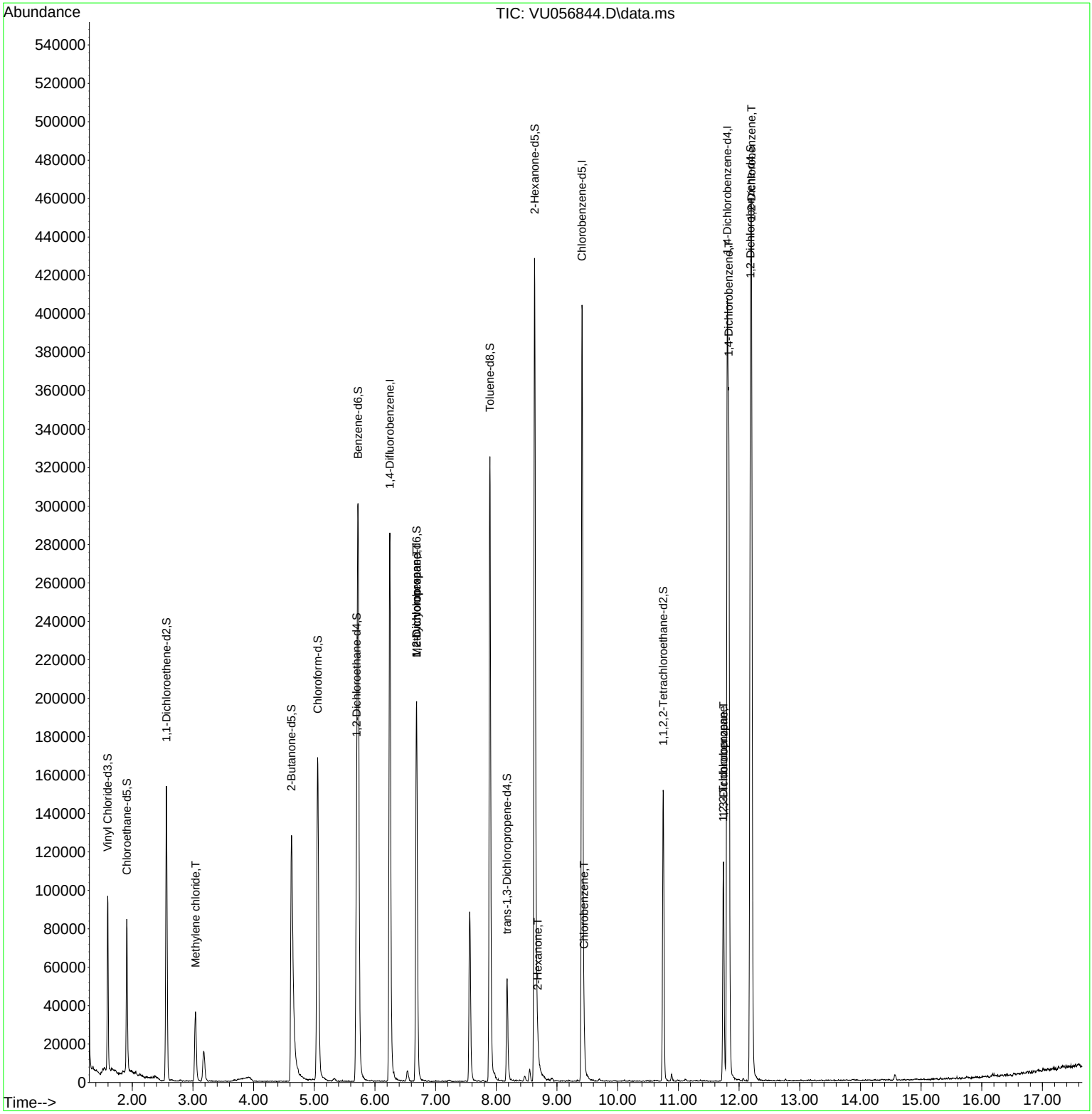
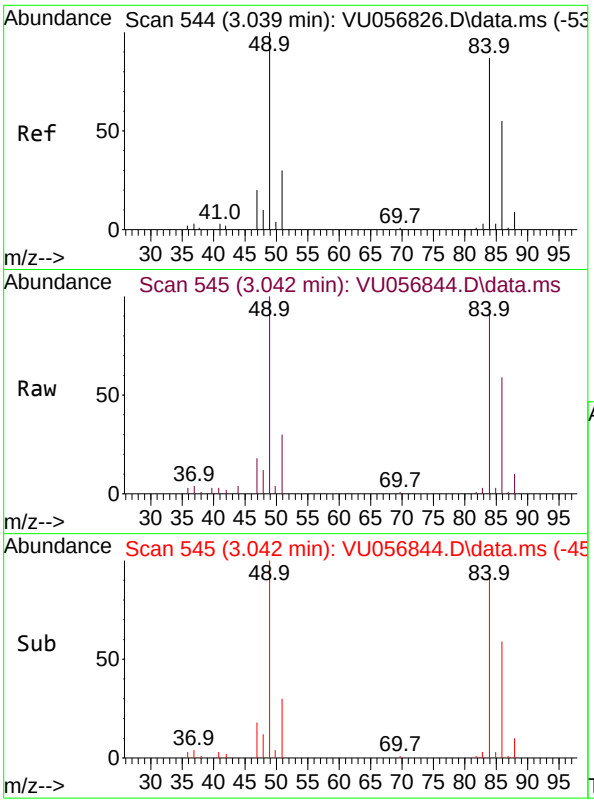
Operator : MD/SY
Sample : 05684-06DL 200X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: Dec 15 00:54:21 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Dec 15 00:49:12 2023
Response via : Initial Calibration



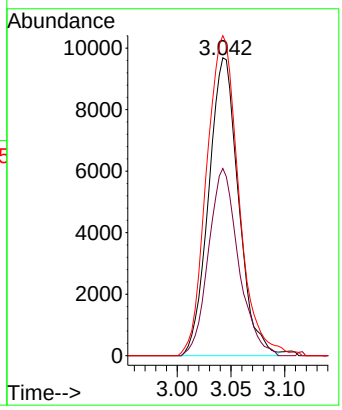


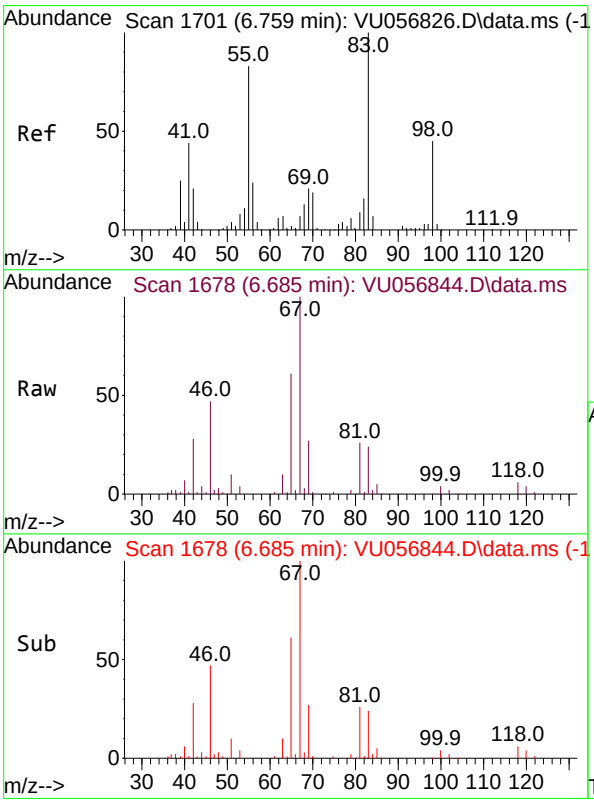

#16
Methylene chloride
Concen: 0.907 ug/L
RT: 3.042 min Scan# 54
Delta R.T. 0.003 min
Lab File: VU056844.D
Acq: 14 Dec 2023 17:18

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

Tgt Ion: 84 Resp: 18688

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 86 | 62.9 | 43.6 | 81.0 |
| 49 | 111.8 | 80.6 | 149.6 |

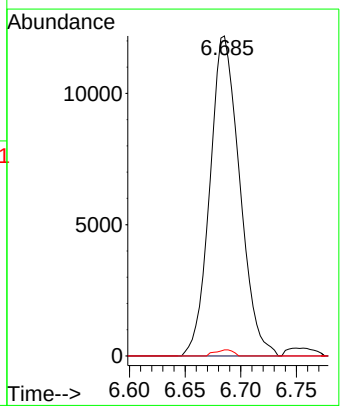


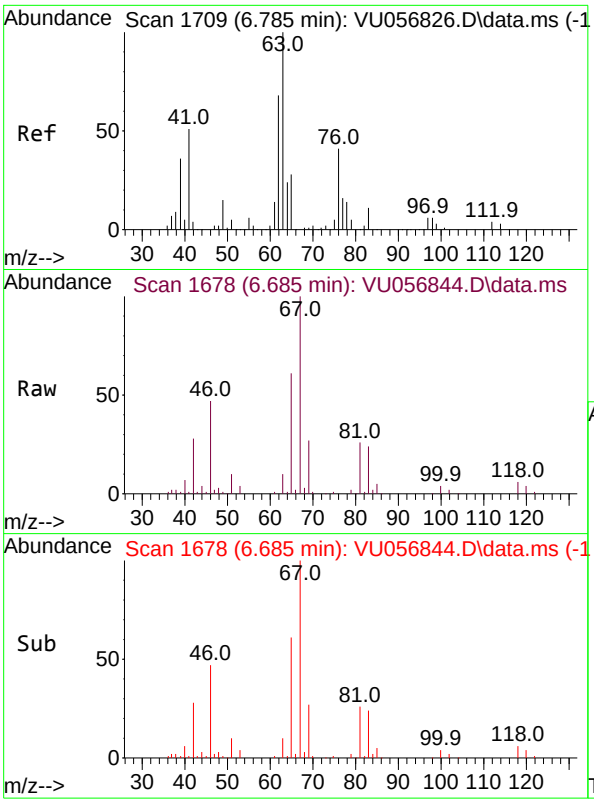




#35
Methylcyclohexane
Concen: 0.665 ug/L
RT: 6.685 min Scan# 1678
Delta R.T. -0.074 min
Lab File: VU056844.D
Acq: 14 Dec 2023 17:18

Tgt Ion: 83 Resp: 22704

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 0.0 | 64.6 | 97.0# |
| 98 | 1.2 | 36.1 | 54.1# |



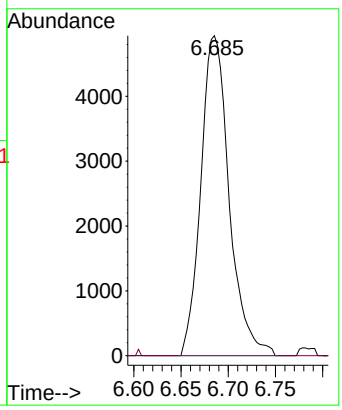


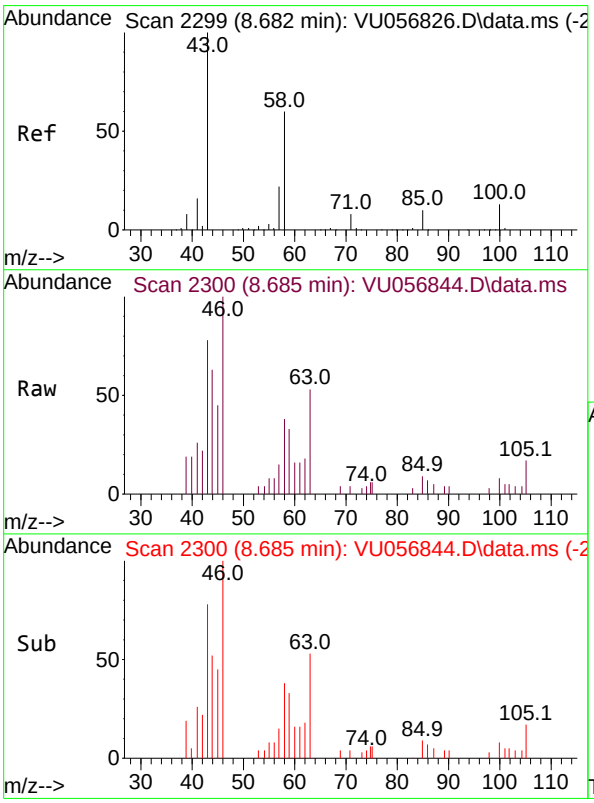

#37
1,2-Dichloropropane
Concen: 0.477 ug/L
RT: 6.685 min Scan# 1
Delta R.T. -0.100 min
Lab File: VU056844.D
Acq: 14 Dec 2023 17:18

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

Tgt Ion: 63 Resp: 10288

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 112 | 0.2 | 3.3 | 4.9# |

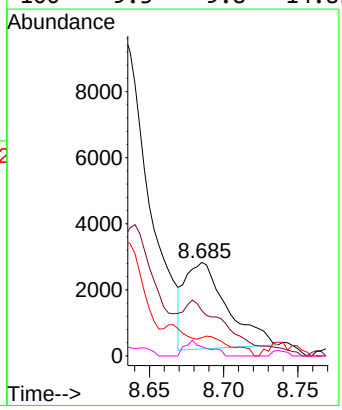


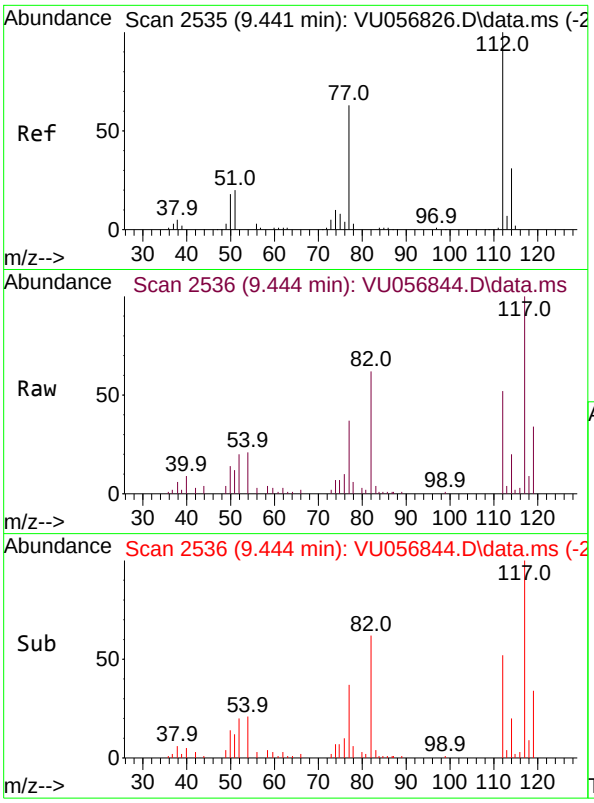




#48
2-Hexanone
Concen: 0.709 ug/L
RT: 8.685 min Scan# 2300
Delta R.T. 0.003 min
Lab File: VU056844.D
Acq: 14 Dec 2023 17:18

Tgt Ion: 43 Resp: 5173

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 69.3 | 47.5 | 71.3 |
| 57 | 16.1 | 17.0 | 25.4# |
| 100 | 9.3 | 9.8 | 14.8# |



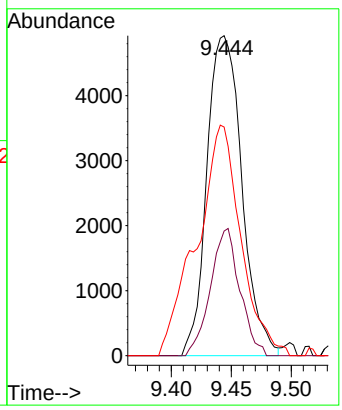


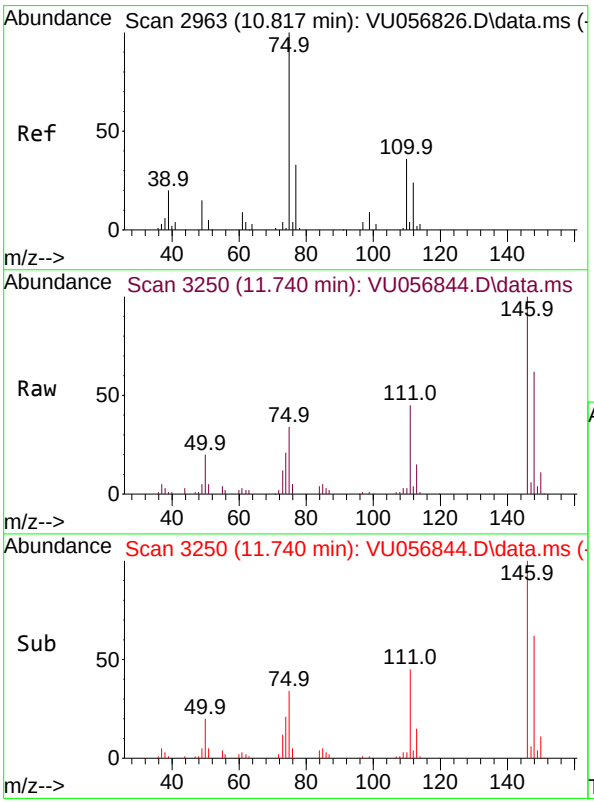

#51
Chlorobenzene
Concen: 0.180 ug/L
RT: 9.444 min Scan# 2
Delta R.T. 0.003 min
Lab File: VU056844.D
Acq: 14 Dec 2023 17:18

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

Tgt Ion:112 Resp: 10001

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 39.0 | 21.9 | 40.7 |
| 77 | 71.5 | 51.6 | 77.4 |

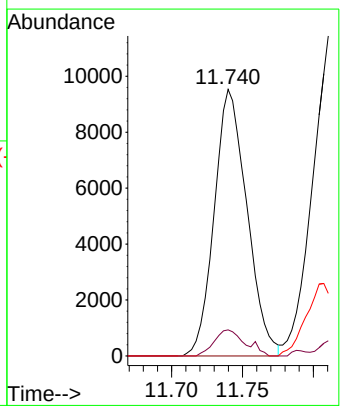


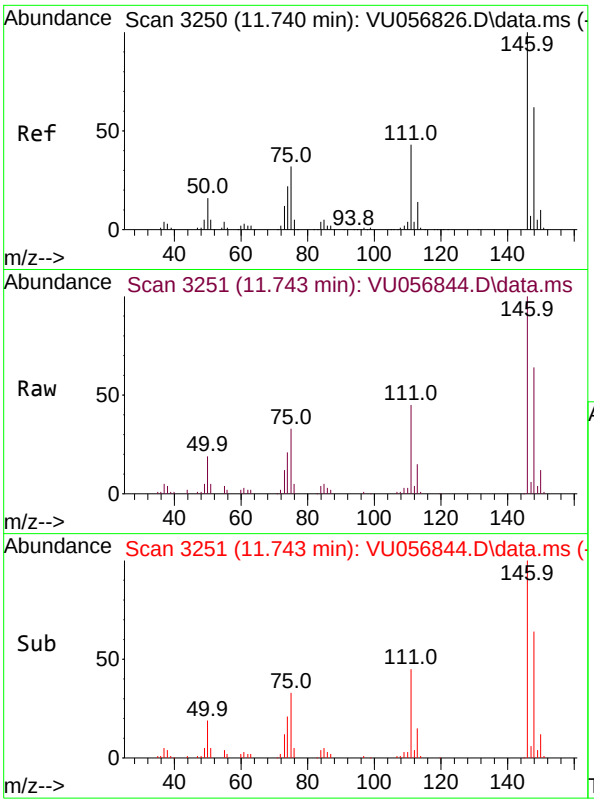




#61
1,2,3-Trichloropropane
Concen: 1.403 ug/L
RT: 11.740 min Scan# 3250
Delta R.T. 0.923 min
Lab File: VU056844.D
Acq: 14 Dec 2023 17:18

Tgt Ion: 75 Resp: 15309

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 9.3 | 28.4 | 42.6# |
| 77 | 0.0 | 26.3 | 39.5# |



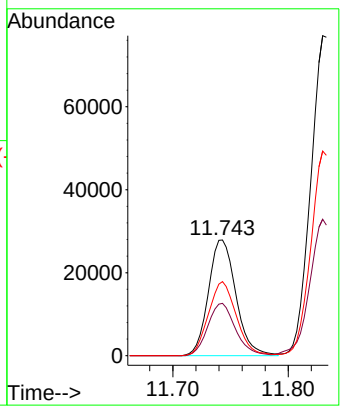


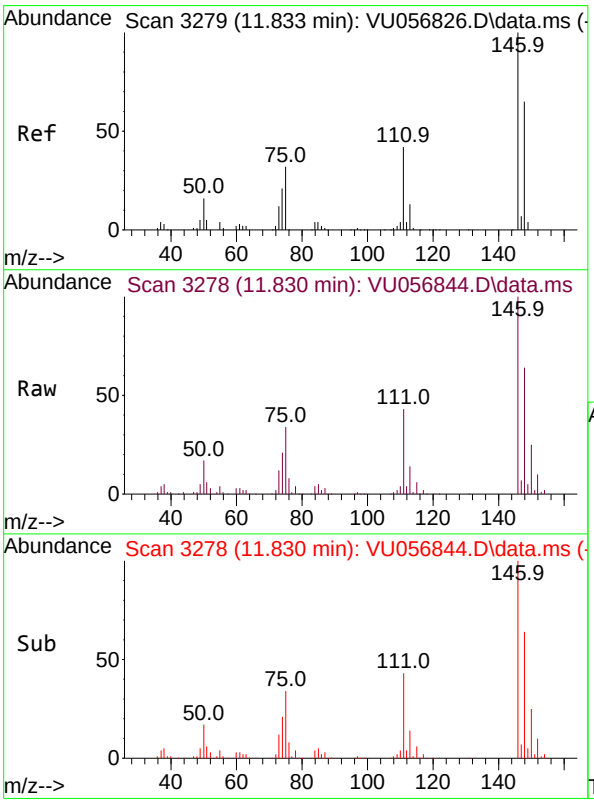

#64
1,3-Dichlorobenzene
Concen: 1.216 ug/L
RT: 11.743 min Scan# 3
Delta R.T. 0.003 min
Lab File: VU056844.D
Acq: 14 Dec 2023 17:18

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

Tgt Ion:146 Resp: 46174

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 45.2 | 31.7 | 58.9 |
| 148 | 64.0 | 44.3 | 82.3 |

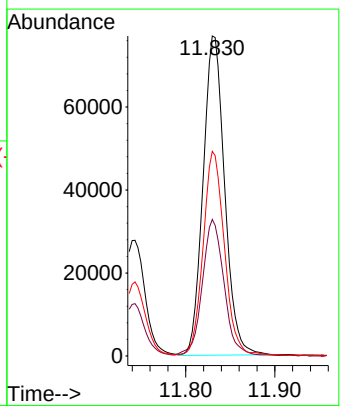


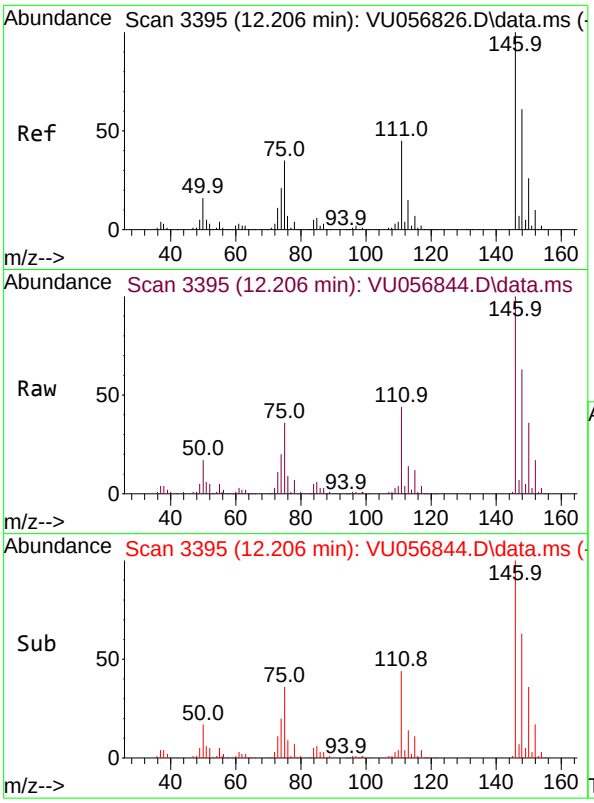




#65
1,4-Dichlorobenzene
Concen: 3.460 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.003 min
Lab File: VU056844.D
Acq: 14 Dec 2023 17:18

Tgt Ion:146 Resp: 129372

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.7 | 31.2 | 58.0 |
| 148 | 64.0 | 45.6 | 84.8 |






#67
1,2-Dichlorobenzene
Concen: 4.109 ug/L
RT: 12.206 min Scan# 3
Delta R.T. -0.000 min
Lab File: VU056844.D
Acq: 14 Dec 2023 17:18

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

Tgt Ion:146 Resp: 142129

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 44.2 | 36.9 | 55.3 |
| 148 | 63.2 | 53.0 | 79.4 |