Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031723\
Data File : VU053288.D
Acq On : 17 Mar 2023 23:57
Operator : JC/MD
Sample : 01956-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 37 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
E0236

Quant Time: Mar 18 04:59:57 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Mar 18 04:29:10 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Difluorobenzene | 6.243 | 114 | 139097 | 50.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 9.414 | 117 | 129695 | 50.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 11.809 | 152 | 61140 | 50.000 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) Vinyl Chloride-d3 | 1.597 | 65 | 52776 | 41.127 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 135 | | Recovery = 82.260% | | | |
| 7) Chloroethane-d5 | 1.909 | 69 | 46758 | 45.047 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 90.100% | | | |
| 11) 1,1-Dichloroethene-d2 | 2.562 | 63 | 68698 | 30.903 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 61.800% | | | |
| 21) 2-Butanone-d5 | 4.610 | 46 | 73590 | 123.644 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 40 - 130 | | Recovery = 123.640% | | | |
| 24) Chloroform-d | 5.057 | 84 | 94195 | 44.566 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 89.140% | | | |
| 26) 1,2-Dichloroethane-d4 | 5.697 | 65 | 66492 | 50.656 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 101.320% | | | |
| 32) Benzene-d6 | 5.723 | 84 | 202113 | 48.046 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 125 | | Recovery = 96.100% | | | |
| 36) 1,2-Dichloropropane-d6 | 6.684 | 67 | 68473 | 50.433 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 70 - 120 | | Recovery = 100.860% | | | |
| 41) Toluene-d8 | 7.893 | 98 | 185129 | 47.268 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 94.540% | | | |
| 43) trans-1,3-Dichloroprop... | 8.173 | 79 | 30701 | 45.831 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 60 - 125 | | Recovery = 91.660% | | | |
| 47) 2-Hexanone-d5 | 8.626 | 63 | 55605 | 131.000 | ug/L | 0.00 |
| Spiked Amount 100.000 | Range 45 - 130 | | Recovery = 131.000%# | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 10.751 | 84 | 92125 | 52.380 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 65 - 120 | | Recovery = 104.760% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 12.189 | 152 | 60401 | 51.021 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 80 - 120 | | Recovery = 102.040% | | | |
| Target Compounds | | | | | | Qvalue |
| 13) Acetone | 2.620 | 43 | 2462 | 3.632 | ug/L | 93 |
| 20) cis-1,2-Dichloroethene | 4.668 | 96 | 1796 | 1.475 | ug/L | 78 |
| 29) Cyclohexane | 5.385 | 56 | 10537 | 5.452 | ug/L # | 92 |
| 33) Benzene | 5.768 | 78 | 134728 | 29.963 | ug/L | 100 |
| 35) Methylcyclohexane | 6.758 | 83 | 7439 | 3.620 | ug/L | 89 |
| 51) Chlorobenzene | 9.443 | 112 | 32415 | 10.759 | ug/L | 99 |
| 52) Ethylbenzene | 9.565 | 91 | 12332 | 2.250 | ug/L | 92 |
| 53) m,p-Xylene | 9.693 | 106 | 2377 | 1.162 | ug/L | 96 |
| 61) Isopropylbenzene | 10.481 | 105 | 7578 | 1.569 | ug/L | 96 |

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

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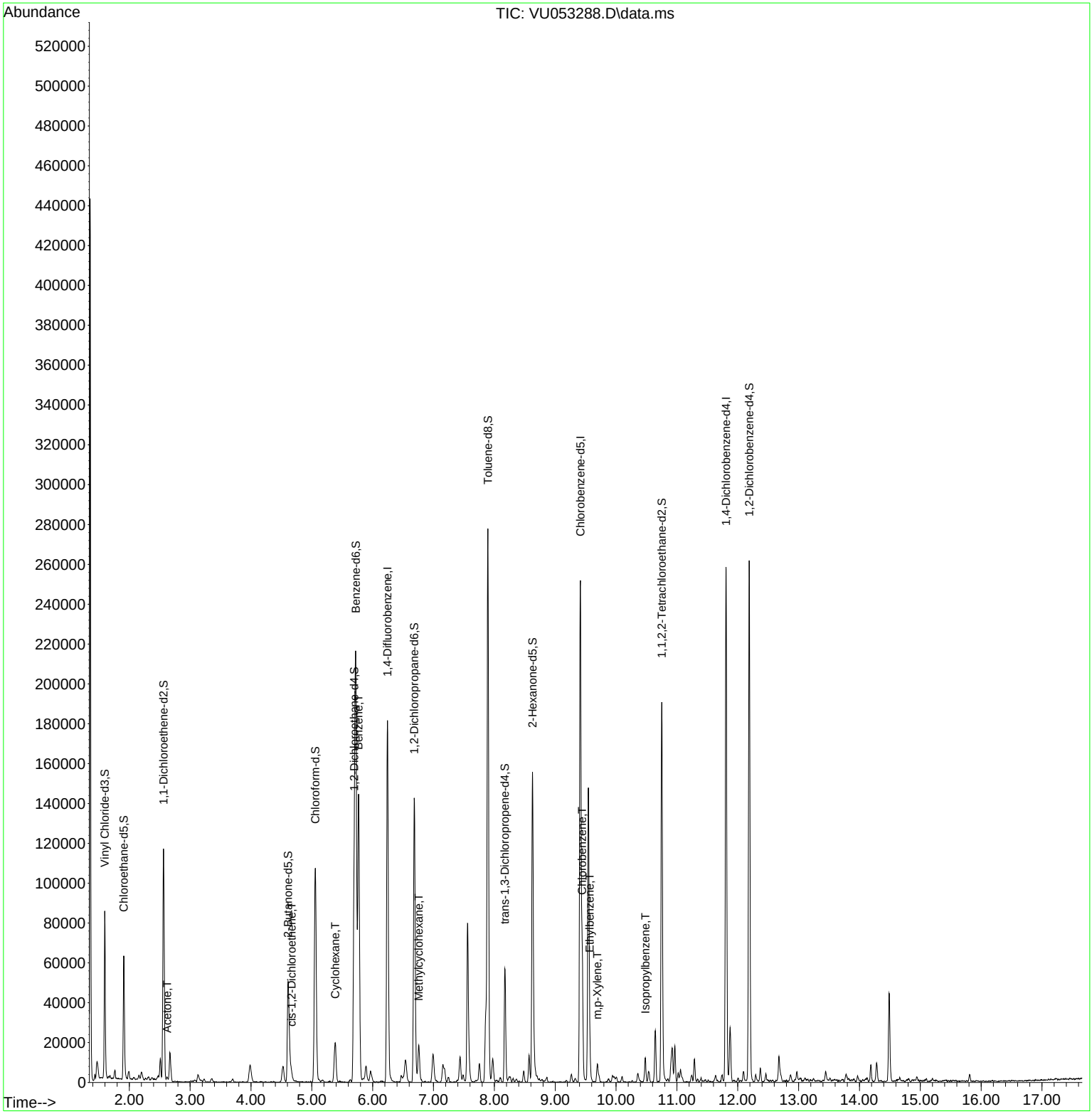
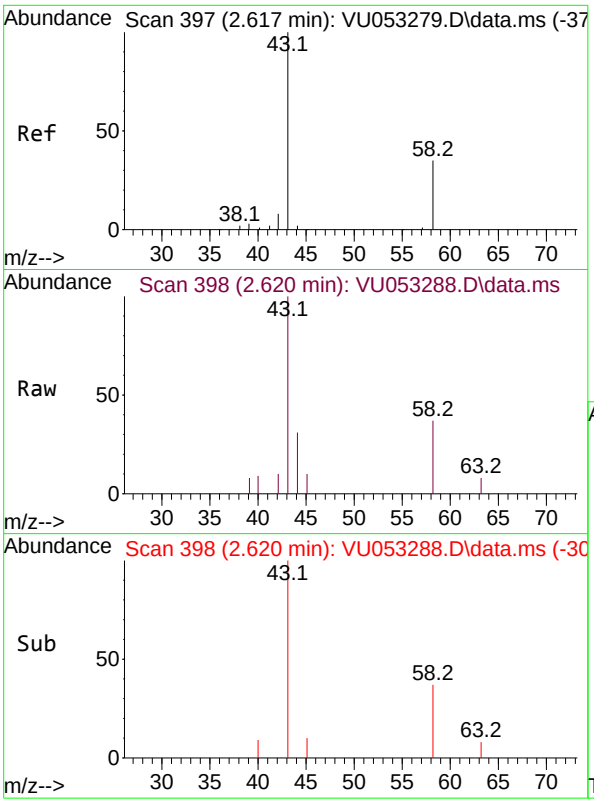
Operator : JC/MD
Sample : 01956-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 37 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
E0236

Quant Time: Mar 18 04:59:57 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Mar 18 04:29:10 2023
Response via : Initial Calibration



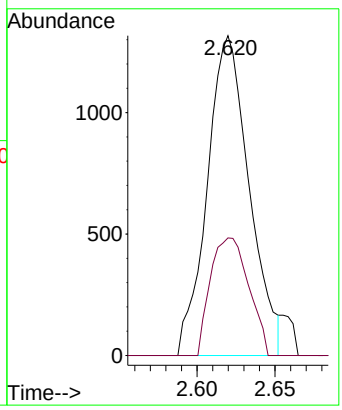


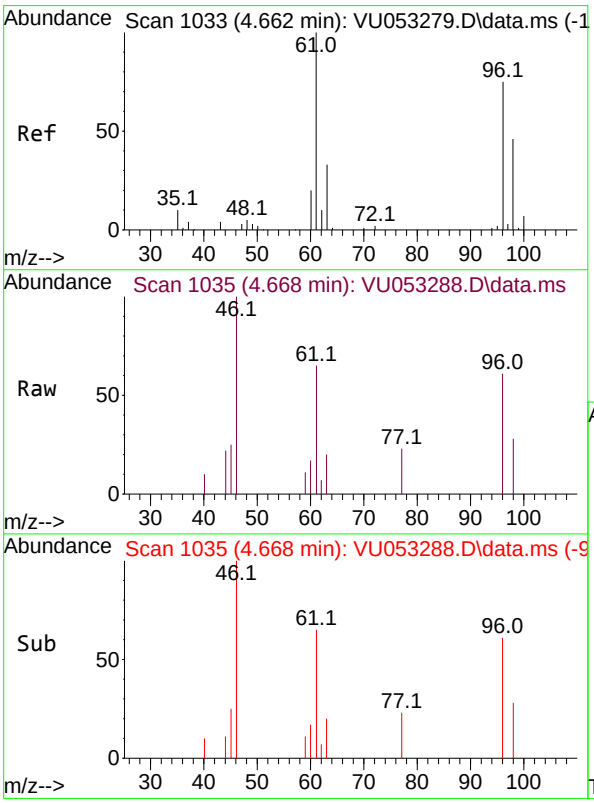

#13
Acetone
Concen: 3.632 ug/L
RT: 2.620 min Scan# 3
Delta R.T. 0.003 min
Lab File: VU053288.D
Acq: 17 Mar 2023 23:57

**Instrument :**
MSVOA_U
**ClientSampleId :**
E0236

Tgt Ion: 43 Resp: 2462

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 33.6 | 0.0 | 75.0 |

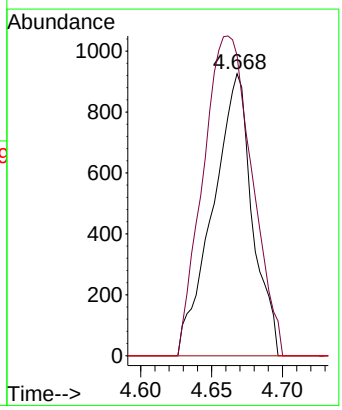


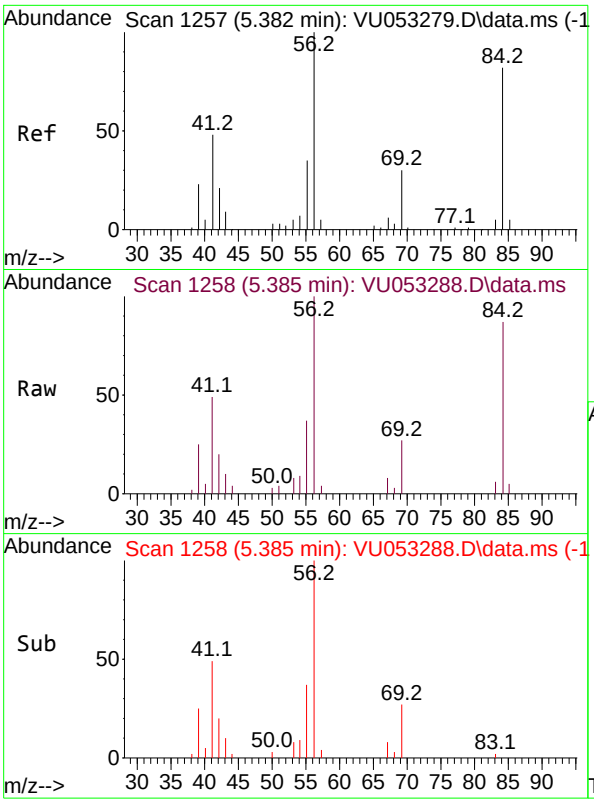




#20
cis-1,2-Dichloroethene
Concen: 1.475 ug/L
RT: 4.668 min Scan# 1035
Delta R.T. 0.006 min
Lab File: VU053288.D
Acq: 17 Mar 2023 23:57

Tgt Ion: 96 Resp: 1796

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 106.4 | 92.5 | 171.7 |
| 68 | 0.0 | 0.0 | 0.0 |



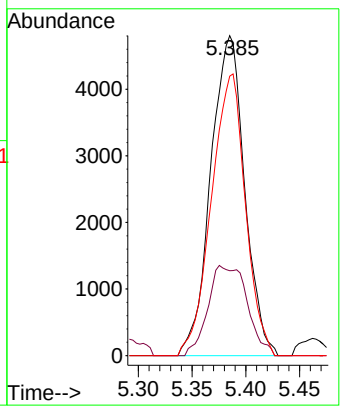


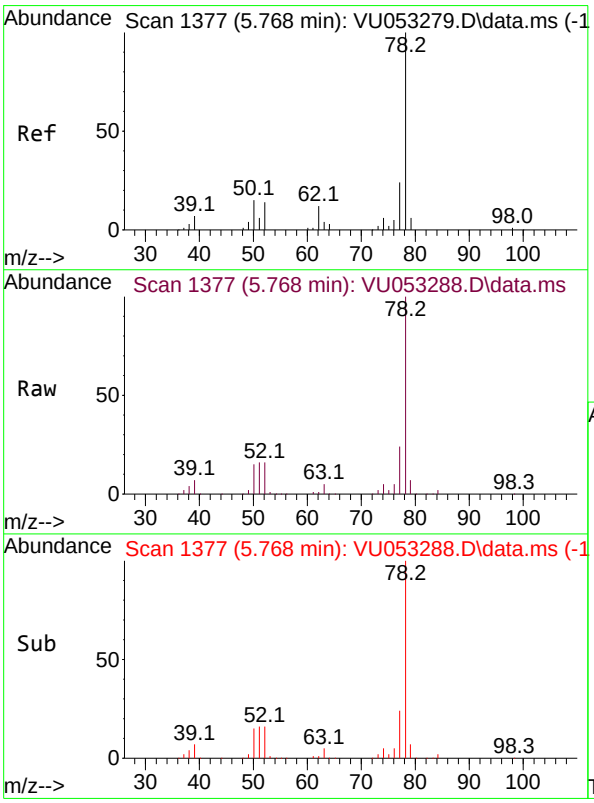

#29
Cyclohexane
Concen: 5.452 ug/L
RT: 5.385 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU053288.D
Acq: 17 Mar 2023 23:57

**Instrument :**
MSVOA_U
**ClientSampleId :**
E0236

Tgt Ion: 56 Resp: 10537

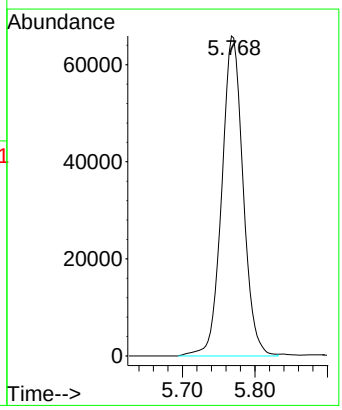
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 18.3 | 25.4 | 38.0# |
| 84 | 88.3 | 69.0 | 103.6 |

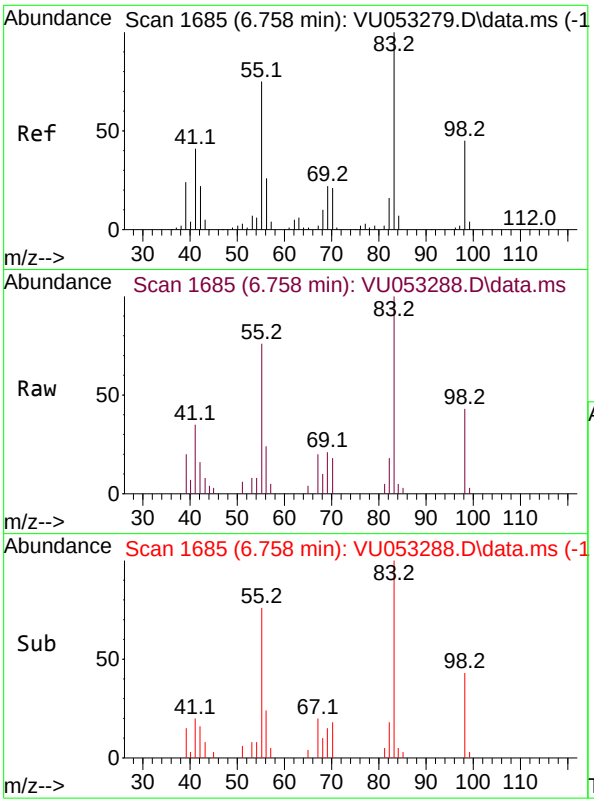



#33
Benzene
Concen: 29.963 ug/L
RT: 5.768 min Scan# 1377
Delta R.T. -0.000 min
Lab File: VU053288.D
Acq: 17 Mar 2023 23:57

Tgt Ion: 78 Resp: 134728



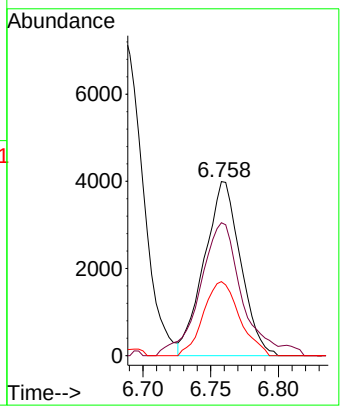


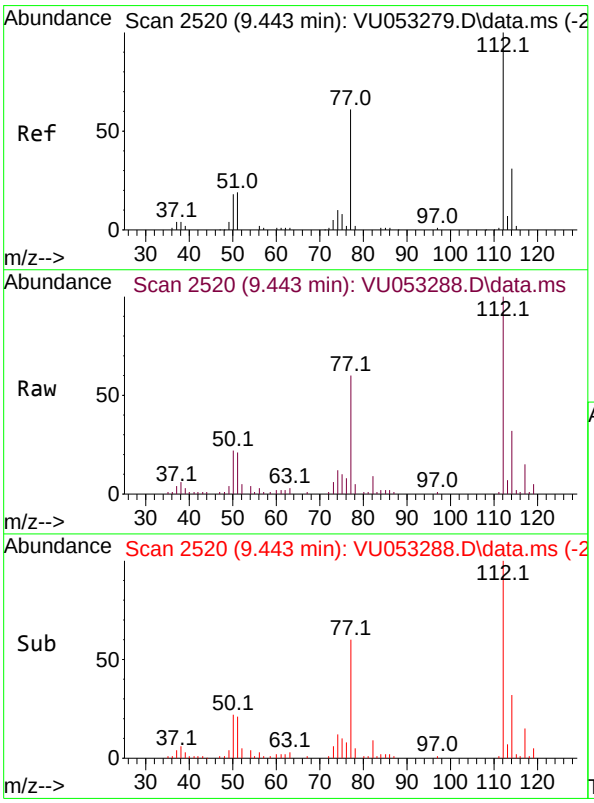

#35
Methylcyclohexane
Concen: 3.620 ug/L
RT: 6.758 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU053288.D
Acq: 17 Mar 2023 23:57

**Instrument :**
MSVOA_U
**ClientSampleId :**
E0236

Tgt Ion: 83 Resp: 7439

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 85.5 | 58.2 | 87.4 |
| 98 | 42.3 | 35.4 | 53.2 |

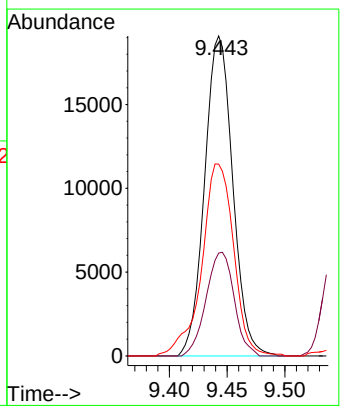


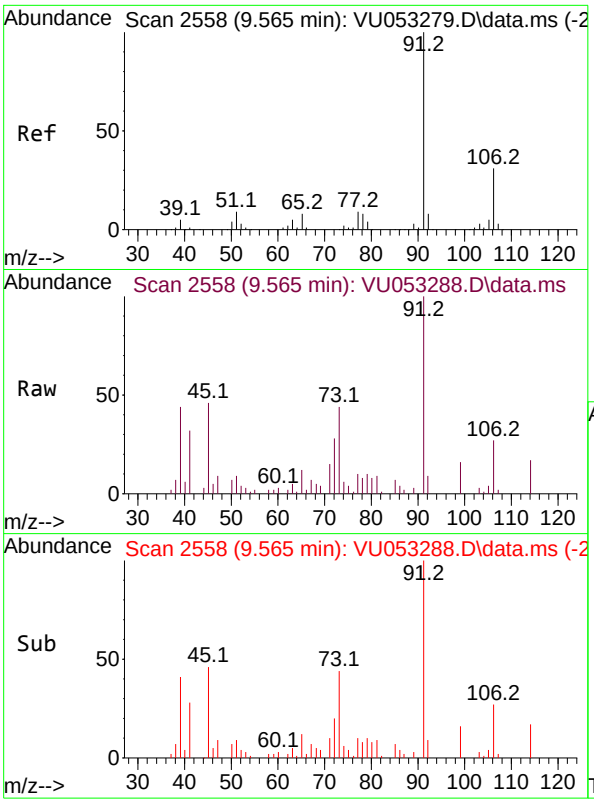




#51
Chlorobenzene
Concen: 10.759 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. -0.000 min
Lab File: VU053288.D
Acq: 17 Mar 2023 23:57

Tgt Ion:112 Resp: 32415

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.1 | 21.8 | 40.6 |
| 77 | 59.9 | 48.8 | 73.2 |



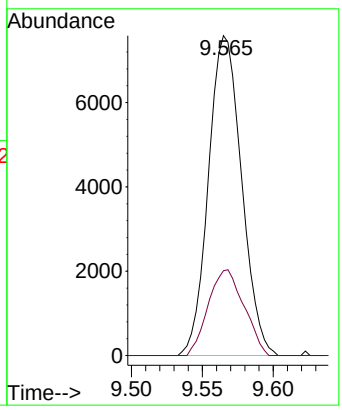


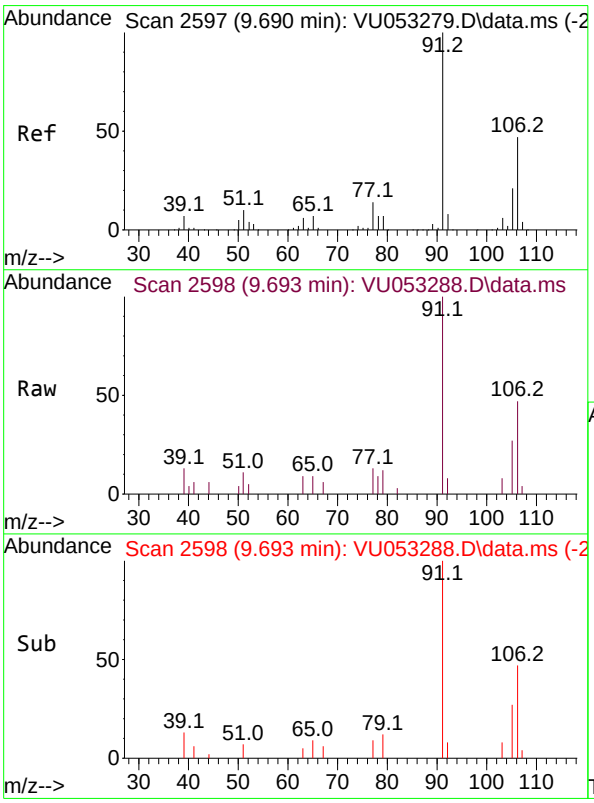

#52
Ethylbenzene
Concen: 2.250 ug/L
RT: 9.565 min Scan# 2
Delta R.T. -0.000 min
Lab File: VU053288.D
Acq: 17 Mar 2023 23:57

**Instrument :**
MSVOA_U
**ClientSampleId :**
E0236

Tgt Ion: 91 Resp: 12332

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 26.5 | 21.6 | 40.0 |

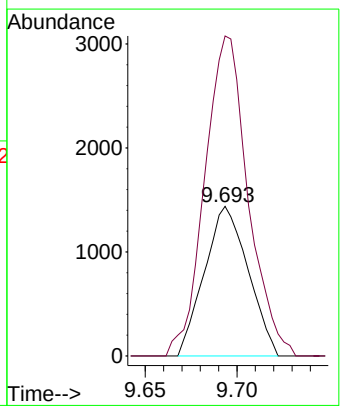


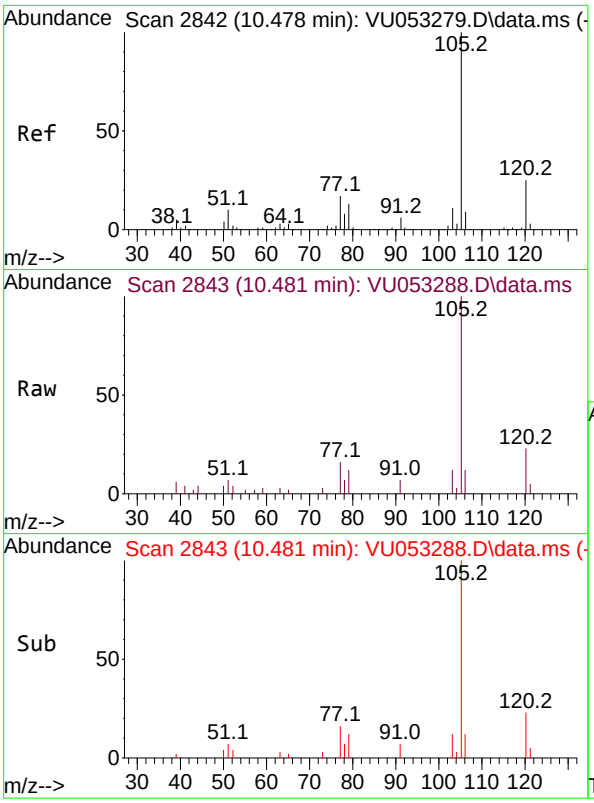




#53
m,p-Xylene
Concen: 1.162 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. 0.003 min
Lab File: VU053288.D
Acq: 17 Mar 2023 23:57

Tgt Ion:106 Resp: 2377

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 214.0 | 145.3 | 269.8 |






#61
Isopropylbenzene
Concen: 1.569 ug/L
RT: 10.481 min Scan# 28
Delta R.T. 0.003 min
Lab File: VU053288.D
Acq: 17 Mar 2023 23:57

**Instrument :**
MSVOA_U
**ClientSampleId :**
E0236

Tgt Ion:105 Resp: 7578

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 22.5 | 20.4 | 30.6 |
| 77 | 16.3 | 13.0 | 19.4 |